

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS



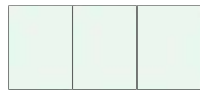

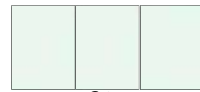


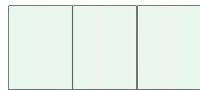

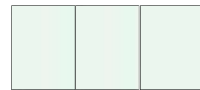


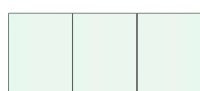

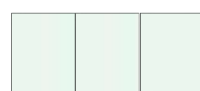


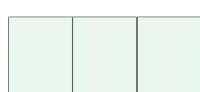

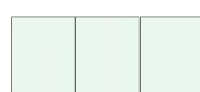


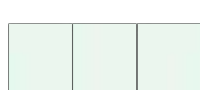

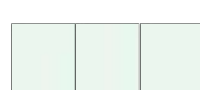


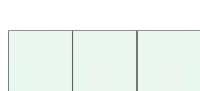

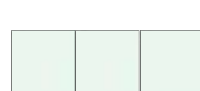


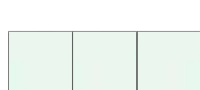

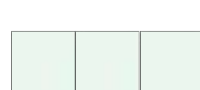



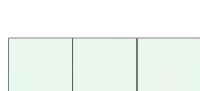

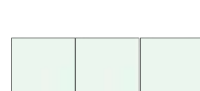



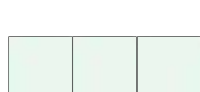

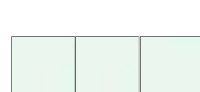

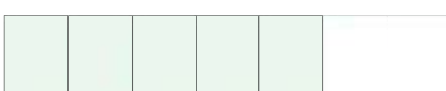


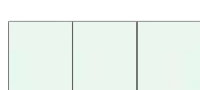

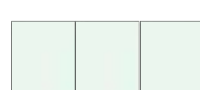

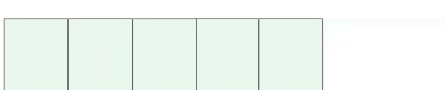
ELEMENTS	ORBITAL FILLING OF ELEMENTS			
HYDROGEN	□ 1s			
HELIUM	□ 1s			
LITHIUM	□ 1s	□ 2s		
BERYLLIUM	□ 1s	□ 2s		
BORON	□ 1s	□ 2s	□ □ □ 2p	
CARBON	□ 1s	□ 2s	□ □ □ 2p	
NITROGEN	□ 1s	□ 2s	□ □ □ 2p	
OXYGEN	□ 1s	□ 2s	□ □ □ 2p	
FLUORINE	□ 1s	□ 2s	□ □ □ 2p	
NEON	□ 1s	□ 2s	□ □ □ 2p	
SODIUM	□ 1s	□ 2s	□ □ □ 2p	□ 3s
MAGNESIUM	□ 1s	□ 2s	□ □ □ 2p	□ 3s

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

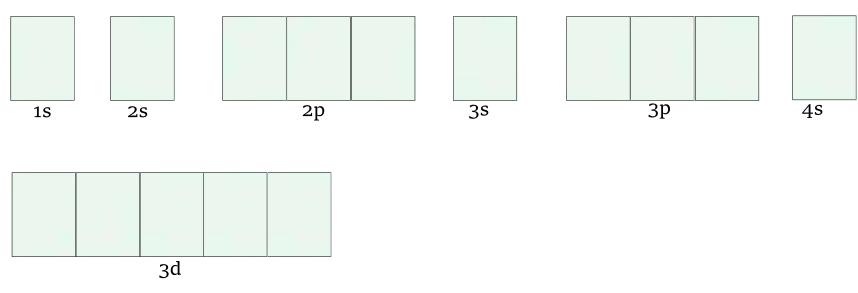
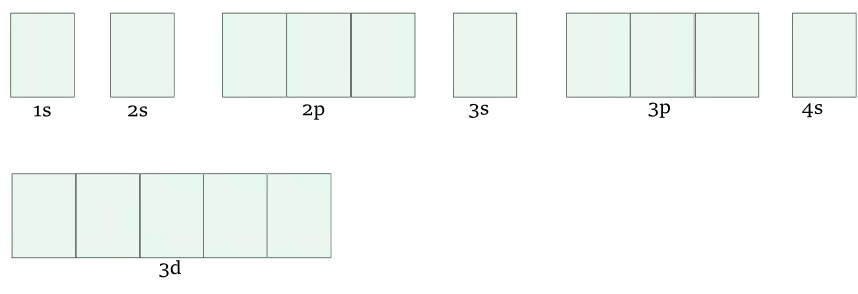
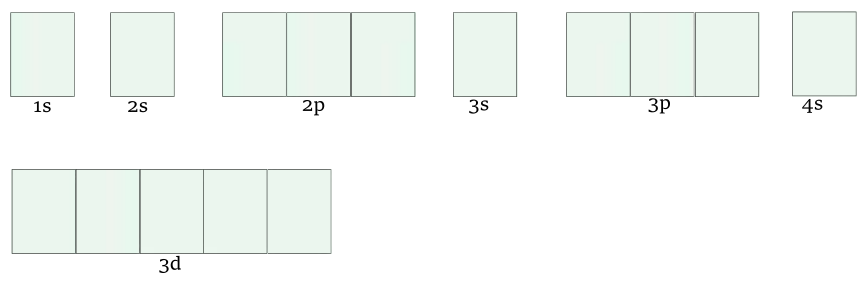
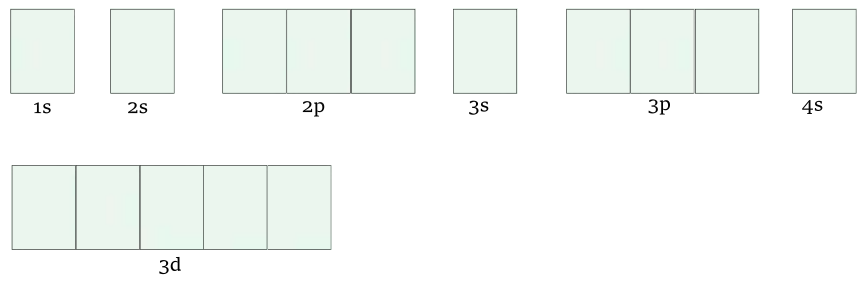
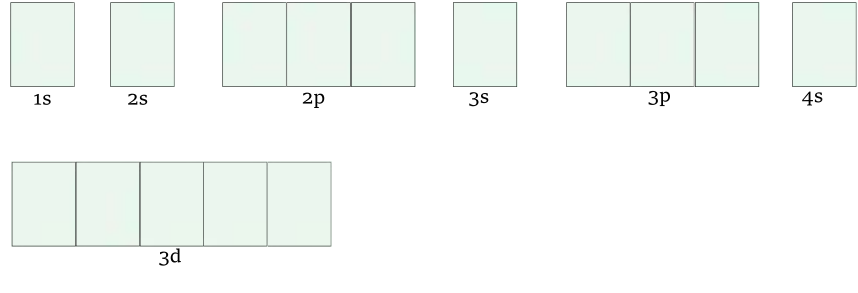
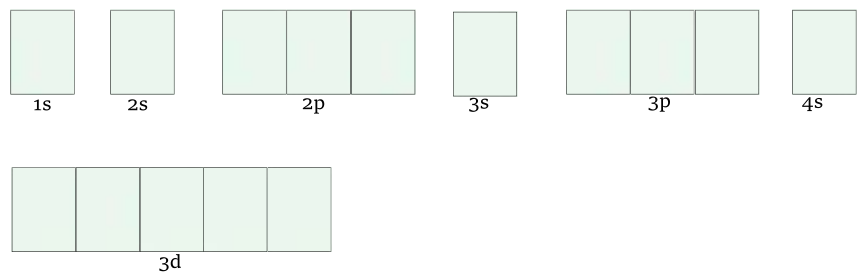
ELEMENTS	ORBITAL FILLING OF ELEMENTS						
ALUMINIUM	 1s	 2s	 2p	 3s	 3p		
SILICON	 1s	 2s	 2p	 3s	 3p		
PHOSPHORUS	 1s	 2s	 2p	 3s	 3p		
SULFUR	 1s	 2s	 2p	 3s	 3p		
CHLORINE	 1s	 2s	 2p	 3s	 3p		
ARGON	 1s	 2s	 2p	 3s	 3p		
POTASSIUM	 1s	 2s	 2p	 3s	 3p	 4s	
CALCIUM	 1s	 2s	 2p	 3s	 3p	 4s	
SCANDIUM	 1s	 2s	 2p	 3s	 3p	 4s	
TITANIUM	 3d						
TITANIUM	 1s	 2s	 2p	 3s	 3p	 4s	
	 3d						

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS



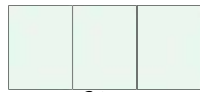

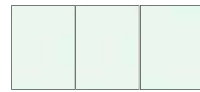
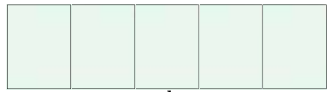



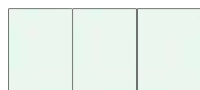

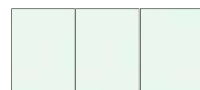
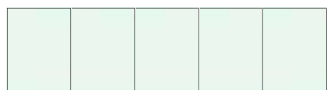



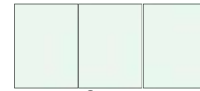

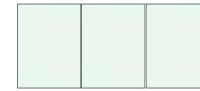
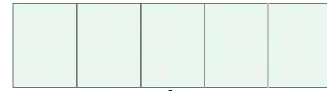

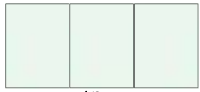


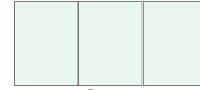

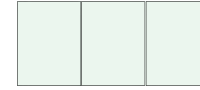
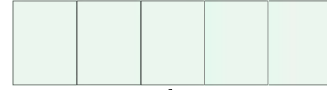

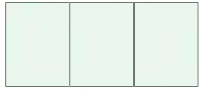




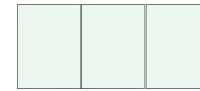


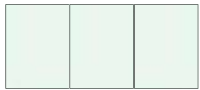







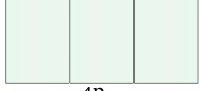
ELEMENTS	ORBITAL FILLING OF ELEMENTS
<b>VANADIUM</b>	 <p style="text-align: center;">1s    2s    2p    3s    3p    4s</p> <p style="text-align: center;">3d</p>
<b>CHROMIUM</b>	 <p style="text-align: center;">1s    2s    2p    3s    3p    4s</p> <p style="text-align: center;">3d</p>
<b>MANGANESE</b>	 <p style="text-align: center;">1s    2s    2p    3s    3p    4s</p> <p style="text-align: center;">3d</p>
<b>IRON</b>	 <p style="text-align: center;">1s    2s    2p    3s    3p    4s</p> <p style="text-align: center;">3d</p>
<b>COBALT</b>	 <p style="text-align: center;">1s    2s    2p    3s    3p    4s</p> <p style="text-align: center;">3d</p>
<b>NICKEL</b>	 <p style="text-align: center;">1s    2s    2p    3s    3p    4s</p> <p style="text-align: center;">3d</p>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

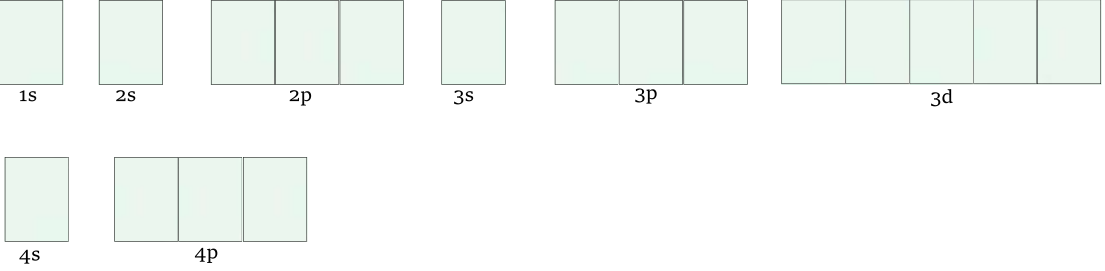
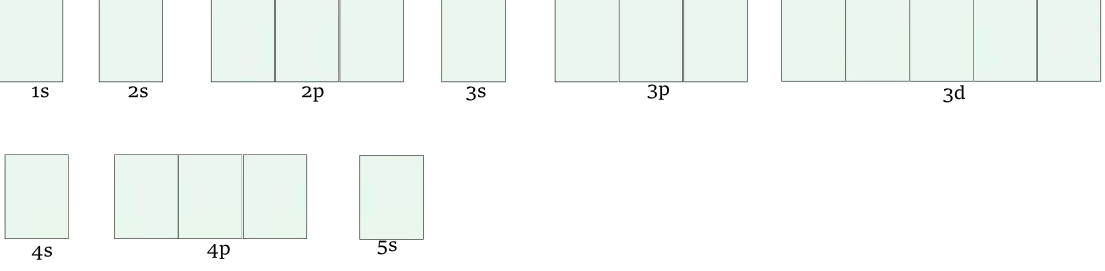
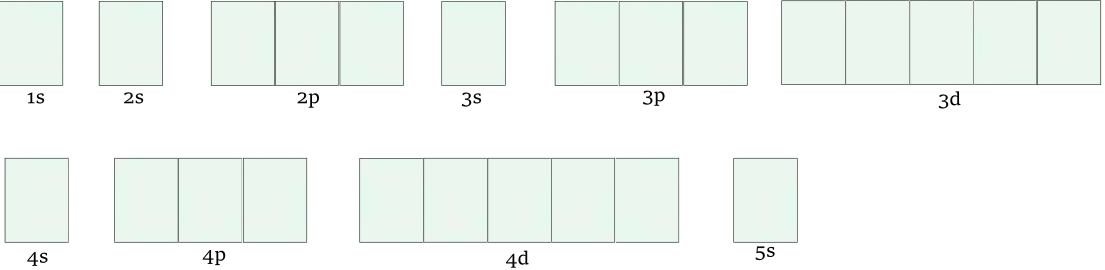
ELEMENTS	ORBITAL FILLING OF ELEMENTS					
<b>COPPER</b>	 1s	 2s	 2p	 3s	 3p	 3d
	 4s					
<b>ZINC</b>	 1s	 2s	 2p	 3s	 3p	 3d
	 4s					
<b>GALLIUM</b>	 1s	 2s	 2p	 3s	 3p	 3d
	 4s	 4p				
<b>GERMANIUM</b>	 1s	 2s	 2p	 3s	 3p	 3d
	 4s	 4p				
<b>ARSENIC</b>	 1s	 2s	 2p	 3s	 3p	 3d
	 4s	 4p				
<b>SELENIUM</b>	 1s	 2s	 2p	 3s	 3p	 3d
	 4s	 4p				

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

ELEMENTS	ORBITAL FILLING OF ELEMENTS
<b>BROMINE</b>	
	<b>KRYPTON</b>
<b>RUBIDIUM</b>	
	<b>STRONTIUM</b>
<b>YTTRIUM</b>	
	<b>ZIRCONIUM</b>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS



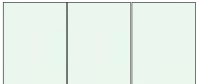

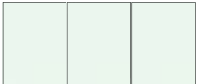
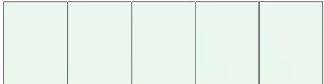

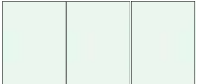
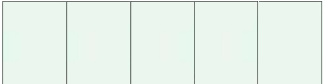



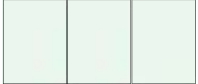

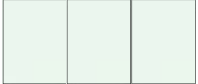
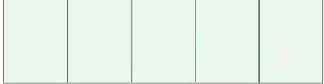

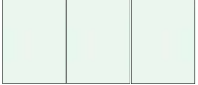
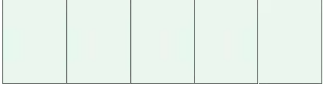



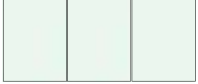

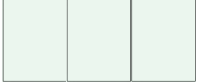
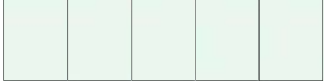

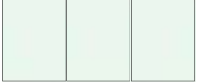
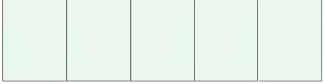

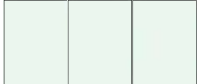


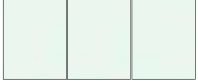

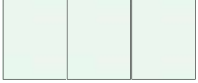
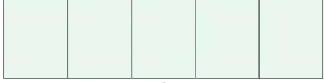

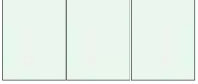
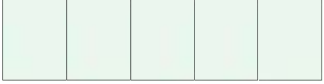

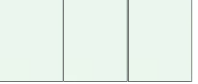


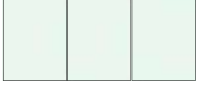

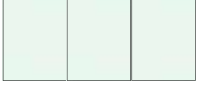
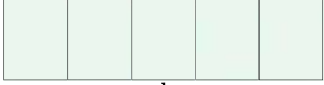

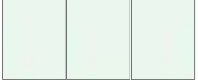


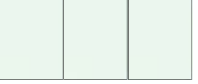


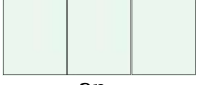





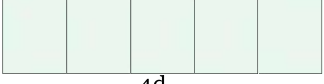


ELEMENTS	ORBITAL FILLING OF ELEMENTS					
NIOBIUM	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>
	1s	2s	2p	3s	3p	3d
	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>		
	4s	4p	4d	5s		
MOLYBDENUM	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>
	1s	2s	2p	3s	3p	3d
	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>		
	4s	4p	4d	5s		
TECHNETIUM	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>
	1s	2s	2p	3s	3p	3d
	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>		
	4s	4p	4d	5s		
RUTHENIUM	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>
	1s	2s	2p	3s	3p	3d
	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>		
	4s	4p	4d	5s		
RHODIUM	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>
	1s	2s	2p	3s	3p	3d
	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>		
	4s	4p	4d	5s		
PALLADIUM	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>
	1s	2s	2p	3s	3p	3d
	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div> <div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>	<div style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></div>		
	4s	4p	4d			

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

ELEMENTS	ORBITAL FILLING OF ELEMENTS					
SILVER						
	1s	2s	2p	3s	3p	3d
						
	4s	4p	4d	5s		
CADMIUM						
	1s	2s	2p	3s	3p	3d
						
	4s	4p	4d	5s		
INDIUM						
	1s	2s	2p	3s	3p	3d
						
	4s	4p	4d	5s	5p	
TIN						
	1s	2s	2p	3s	3p	3d
						
	4s	4p	4d	5s	5p	
ANTIMONY						
	1s	2s	2p	3s	3p	3d
						
	4s	4p	4d	5s	5p	
TELLURIUM						
	1s	2s	2p	3s	3p	3d
						
	4s	4p	4d	5s	5p	

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

ELEMENTS	ORBITAL FILLING OF ELEMENTS
<b>IODINE</b>	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 1s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 2s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 2p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 3s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 3p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 50px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div></div> 3d</div> </div>
<b>XENON</b>	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 4s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 4p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div></div> 4d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 5s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 5p</div> </div>
<b>CESIUM</b>	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 1s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 2s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 2p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 3s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 3p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 50px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div></div> 3d</div> </div>
<b>BARIUM</b>	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 4s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 4p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div></div> 4d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 5s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 5p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 6s</div> </div>
<b>LANTHANUM</b>	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 1s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 2s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 2p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 3s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 3p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 50px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div></div> 3d</div> </div>
	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 4s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 4p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div></div> 4d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 5s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 10px;"></div><div style="width: 10px;"></div><div style="width: 10px;"></div></div> 5p</div> </div>
	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div><div style="width: 15px;"></div></div> 5d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 6s</div> </div>

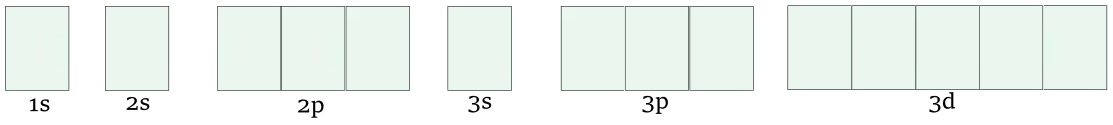
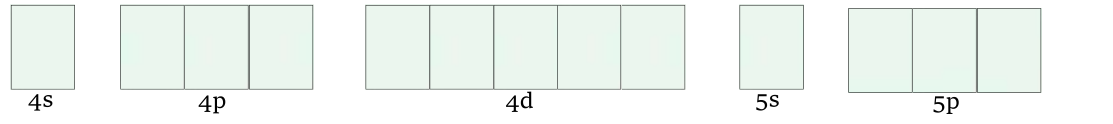
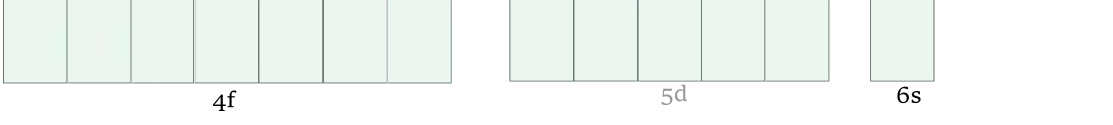
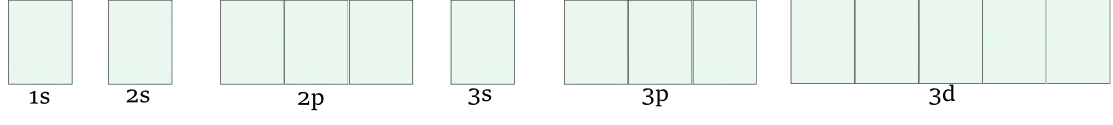
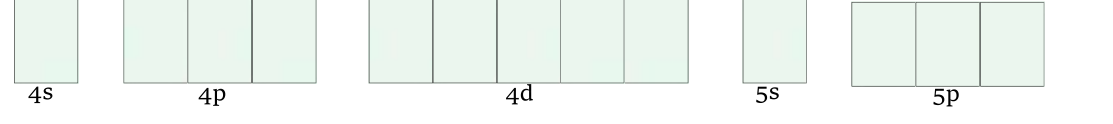
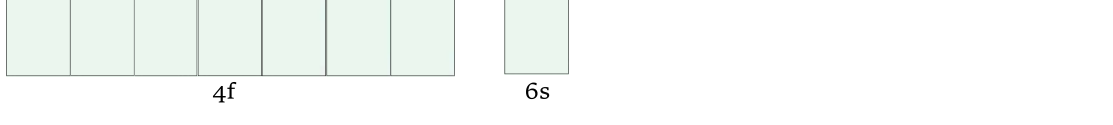
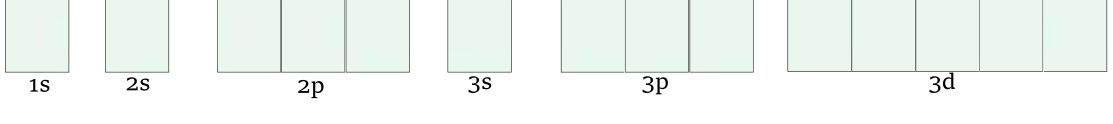
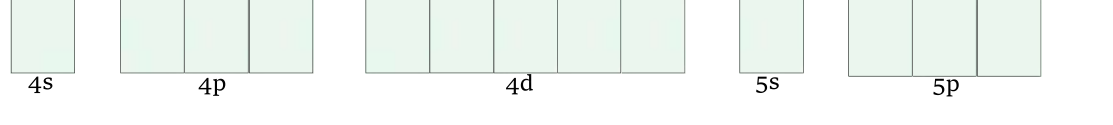
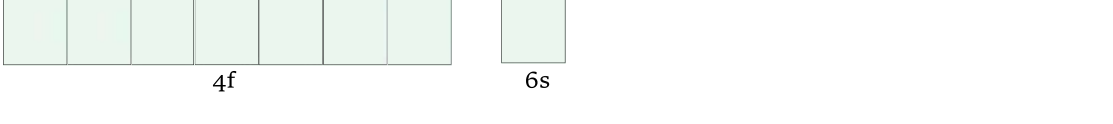

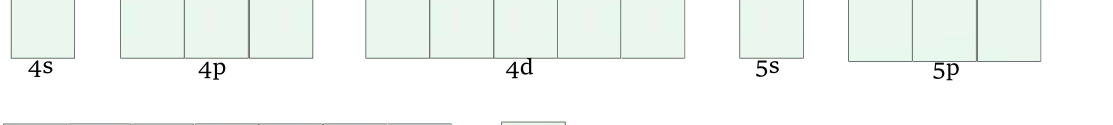

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]



## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

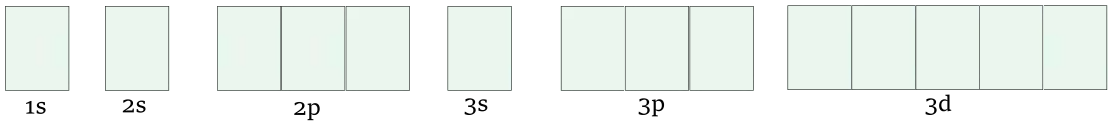
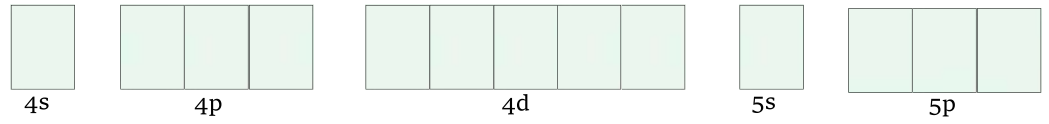
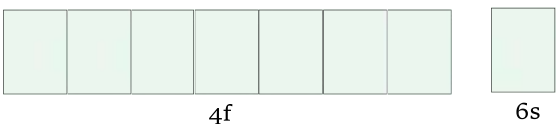

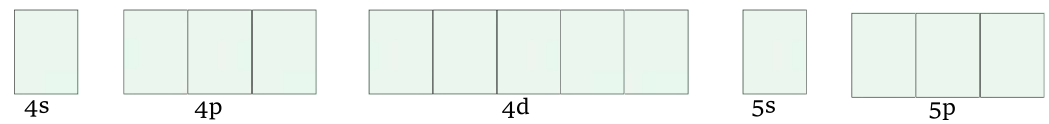
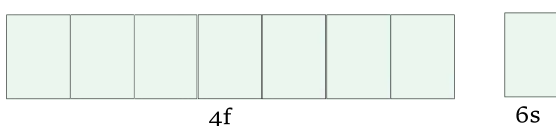
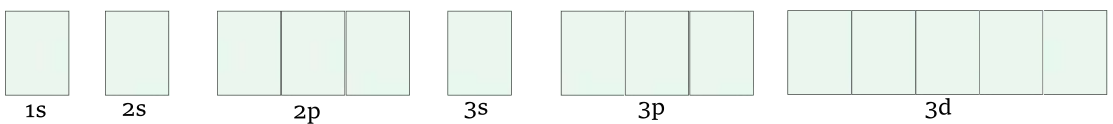
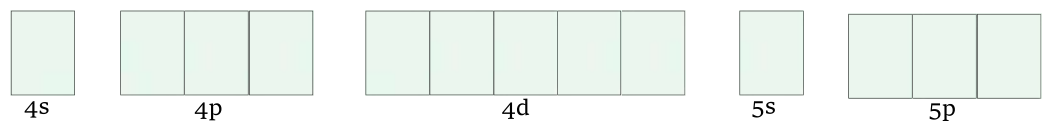
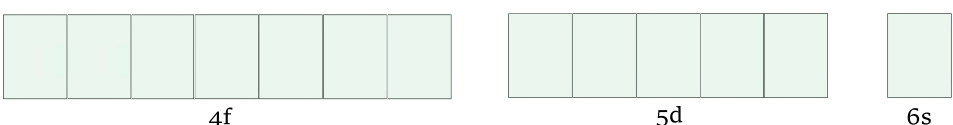
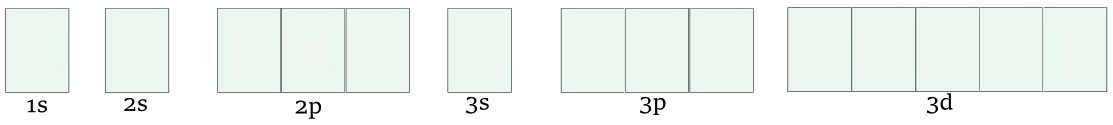
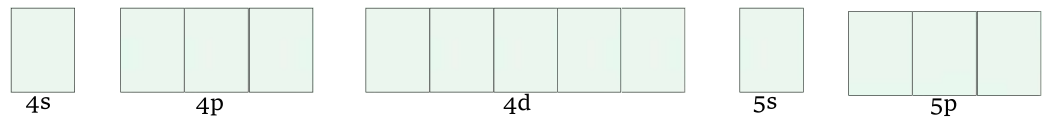

ELEMENTS	ORBITAL FILLING OF ELEMENTS
CERIUM	 <p style="font-size: small; text-align: center;">1s    2s    2p    3s    3p    3d</p>
	 <p style="font-size: small; text-align: center;">4s    4p    4d    5s    5p</p>
	 <p style="font-size: small; text-align: center;">4f    5d    6s</p>
PRASEODYMIUM	 <p style="font-size: small; text-align: center;">1s    2s    2p    3s    3p    3d</p>
	 <p style="font-size: small; text-align: center;">4s    4p    4d    5s    5p</p>
	 <p style="font-size: small; text-align: center;">4f    6s</p>
NEODYMIUM	 <p style="font-size: small; text-align: center;">1s    2s    2p    3s    3p    3d</p>
	 <p style="font-size: small; text-align: center;">4s    4p    4d    5s    5p</p>
	 <p style="font-size: small; text-align: center;">4f    6s</p>
PROMETHIUM	 <p style="font-size: small; text-align: center;">1s    2s    2p    3s    3p    3d</p>
	 <p style="font-size: small; text-align: center;">4s    4p    4d    5s    5p</p>
	 <p style="font-size: small; text-align: center;">4f    6s</p>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

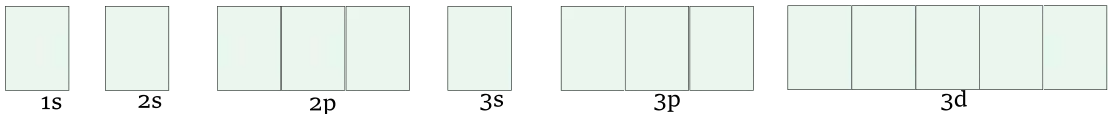
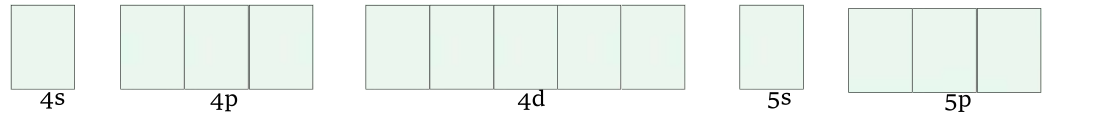
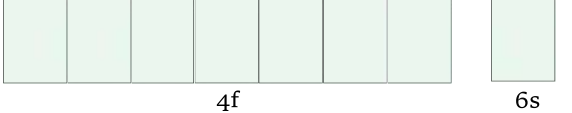

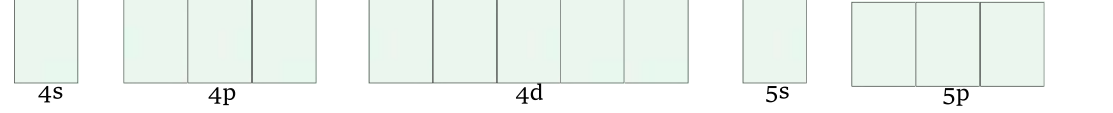


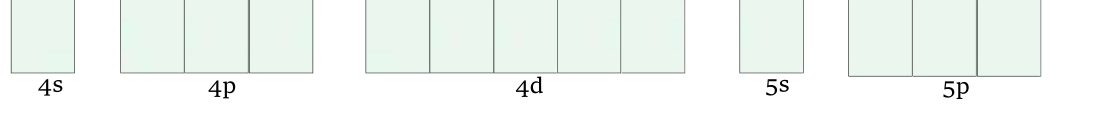


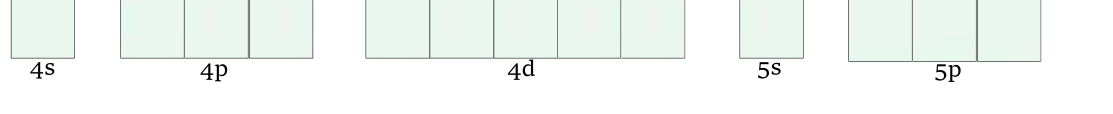

ELEMENTS	ORBITAL FILLING OF ELEMENTS
<b>SAMARIUM</b>	 <p style="text-align: center;">1s    2s            2p            3s            3p            3d</p>
	 <p style="text-align: center;">4s            4p            4d            5s            5p</p>
	 <p style="text-align: center;">4f            6s</p>
<b>EUROPIUM</b>	 <p style="text-align: center;">1s    2s            2p            3s            3p            3d</p>
	 <p style="text-align: center;">4s            4p            4d            5s            5p</p>
	 <p style="text-align: center;">4f            6s</p>
<b>GADOLINIUM</b>	 <p style="text-align: center;">1s    2s            2p            3s            3p            3d</p>
	 <p style="text-align: center;">4s            4p            4d            5s            5p</p>
	 <p style="text-align: center;">4f            5d            6s</p>
<b>TERBIUM</b>	 <p style="text-align: center;">1s    2s            2p            3s            3p            3d</p>
	 <p style="text-align: center;">4s            4p            4d            5s            5p</p>
	 <p style="text-align: center;">4f            6s</p>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

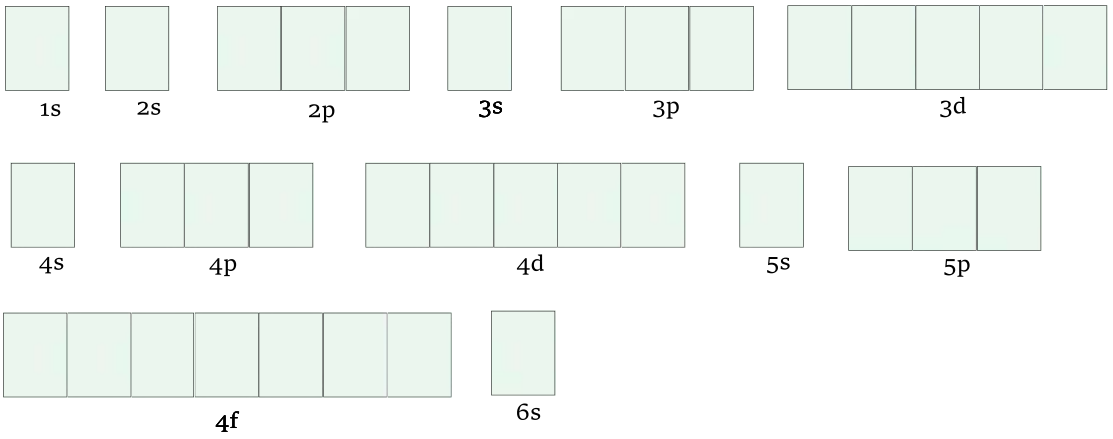
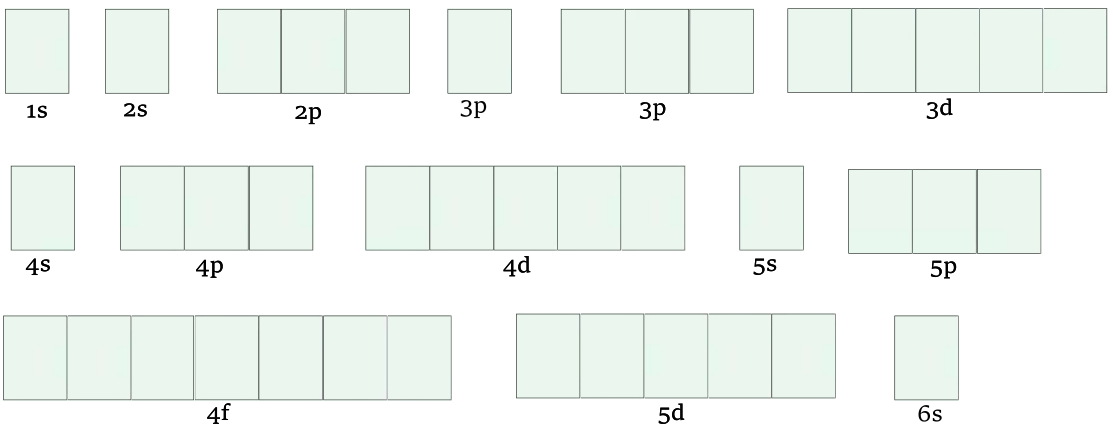
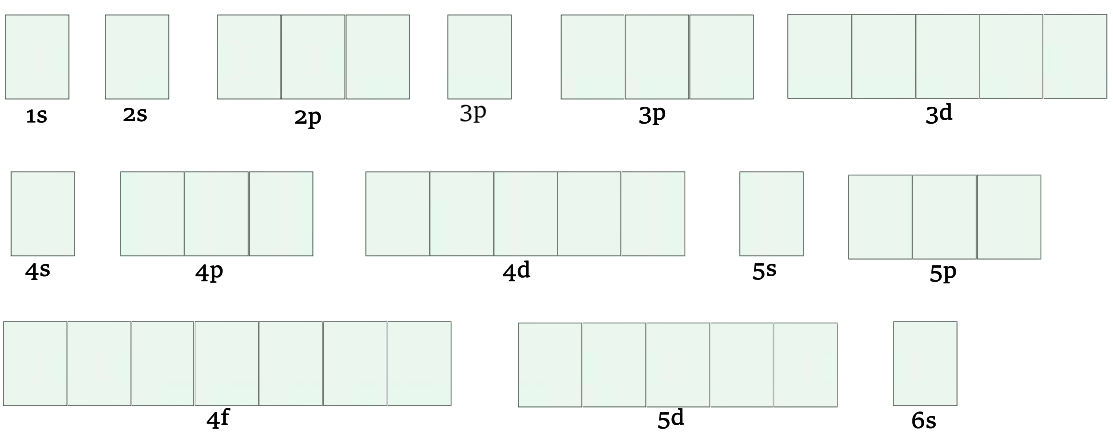
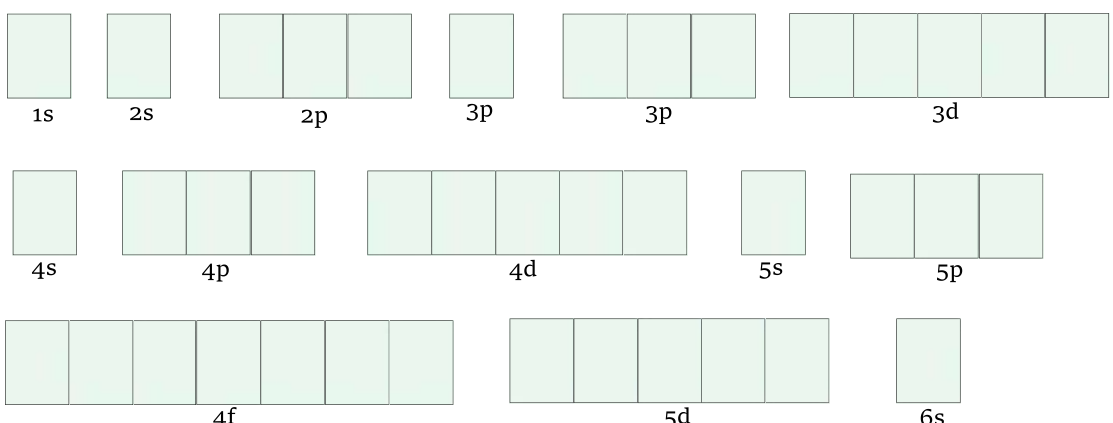
ELEMENTS	ORBITAL FILLING OF ELEMENTS
DYSPROSIUM	 <p style="text-align: center;">1s    2s                    2p                    3s                    3p                    3d</p>
	 <p style="text-align: center;">4s                    4p                    4d                    5s                    5p</p>
	 <p style="text-align: center;">4f                    6s</p>
HOLMIUM	 <p style="text-align: center;">1s    2s                    2p                    3s                    3p                    3d</p>
	 <p style="text-align: center;">4s                    4p                    4d                    5s                    5p</p>
	 <p style="text-align: center;">4f                    6s</p>
ERBIUM	 <p style="text-align: center;">1s    2s                    2p                    3s                    3p                    3d</p>
	 <p style="text-align: center;">4s                    4p                    4d                    5s                    5p</p>
	 <p style="text-align: center;">4f                    6s</p>
THULIUM	 <p style="text-align: center;">1s    2s                    2p                    3s                    3p                    3d</p>
	 <p style="text-align: center;">4s                    4p                    4d                    5s                    5p</p>
	 <p style="text-align: center;">4f                    6s</p>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

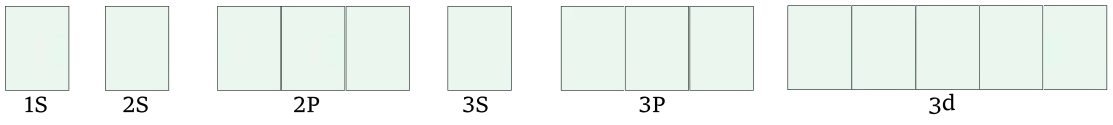
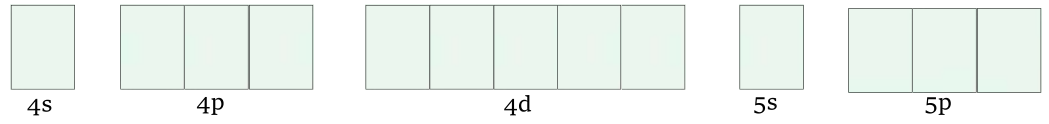
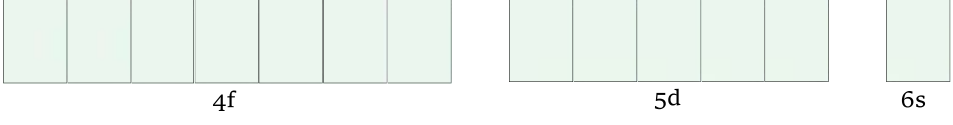

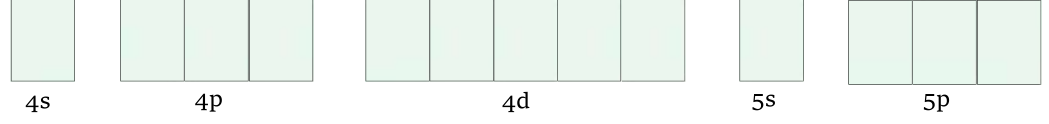
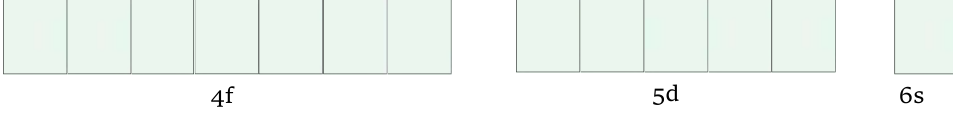
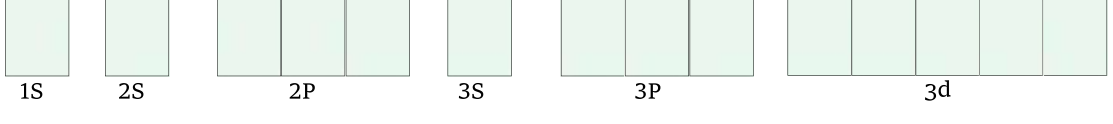
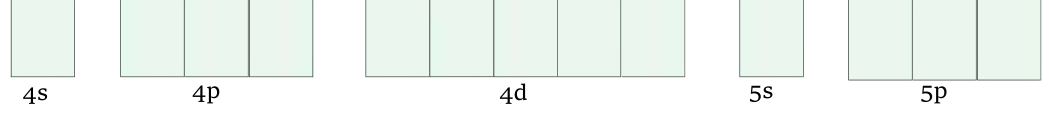
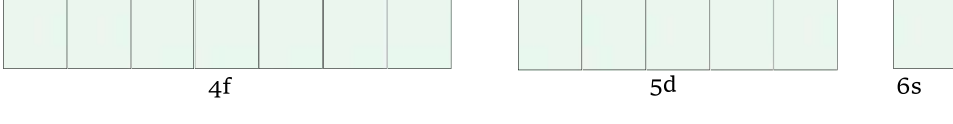

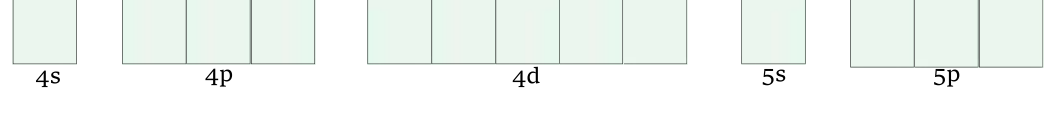

ELEMENTS	ORBITAL FILLING OF ELEMENTS
<b>YTTERBIUM</b>	
	
	
<b>TANTALUM</b>	

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

ELEMENTS	ORBITAL FILLING OF ELEMENTS
<b>TUNGSTEN</b>	 <p style="font-size: small; margin: 0;">1s    2s    2p    3s    3p    3d</p>
	 <p style="font-size: small; margin: 0;">4s    4p    4d    5s    5p</p>
	 <p style="font-size: small; margin: 0;">4f    5d    6s</p>
<b>RHENIUM</b>	 <p style="font-size: small; margin: 0;">1s    2s    2p    3s    3p    3d</p>
	 <p style="font-size: small; margin: 0;">4s    4p    4d    5s    5p</p>
	 <p style="font-size: small; margin: 0;">4f    5d    6s</p>
<b>OSMIUM</b>	 <p style="font-size: small; margin: 0;">1s    2s    2p    3s    3p    3d</p>
	 <p style="font-size: small; margin: 0;">4s    4p    4d    5s    5p</p>
	 <p style="font-size: small; margin: 0;">4f    5d    6s</p>
<b>IRIDIUM</b>	 <p style="font-size: small; margin: 0;">1s    2s    2p    3s    3p    3d</p>
	 <p style="font-size: small; margin: 0;">4s    4p    4d    5s    5p</p>
	 <p style="font-size: small; margin: 0;">4f    5d    6s</p>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

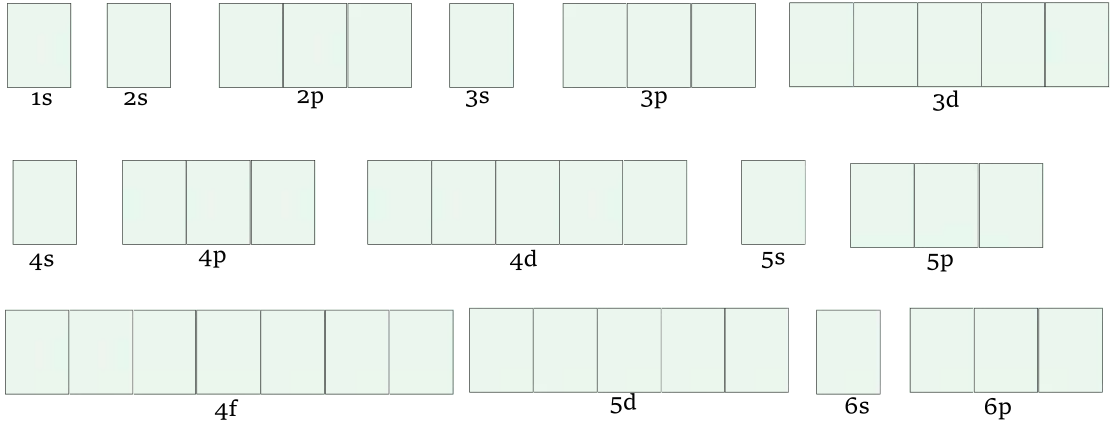
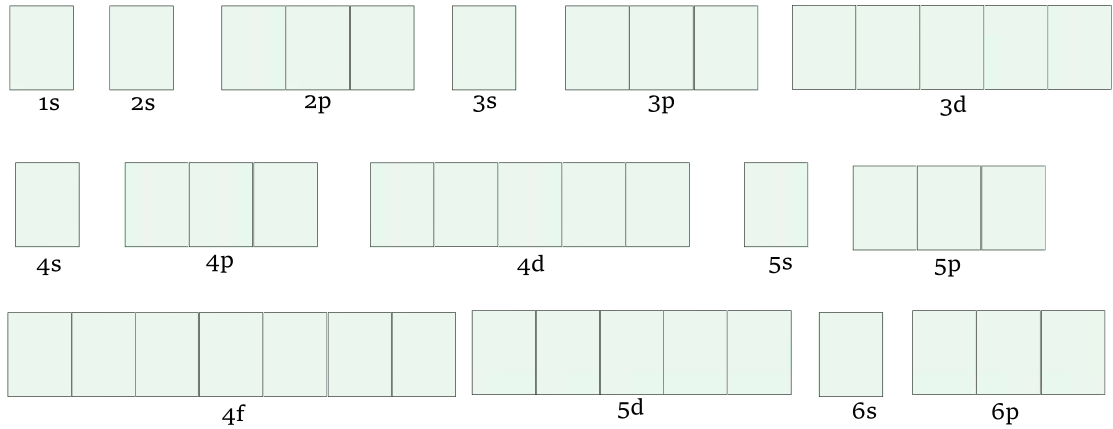
ELEMENTS	ORBITAL FILLING OF ELEMENTS
<b>PLATINUM</b>	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 1s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 2s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 2p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 3s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 3p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 3d</div> </div>
	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 4s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 5s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 5p</div> </div>
	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4f</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 5d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 6s</div> </div>
<b>GOLD</b>	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 1s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 2s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 2p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 3s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 3p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 3d</div> </div>
	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 4s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 5s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 5p</div> </div>
	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4f</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 5d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 6s</div> </div>
<b>MERCURY</b>	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 1s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 2s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 2p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 3s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 3p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 3d</div> </div>
	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 4s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 5s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 5p</div> </div>
	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4f</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 5d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 6s</div> </div>
<b>THALLIUM</b>	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 1s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 2s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 2p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 3s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 3p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 3d</div> </div>
	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 4s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4p</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 5s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 5p</div> </div>
	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 4f</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 5d</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 20px; height: 20px; background-color: #d4edda;"></div> 6s</div> <div style="text-align: center;"><div style="border: 1px solid black; width: 30px; height: 20px; background-color: #d4edda; display: flex; justify-content: space-between;"><span style="width: 10px;"></span><span style="width: 10px;"></span><span style="width: 10px;"></span></div> 6p</div> </div>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

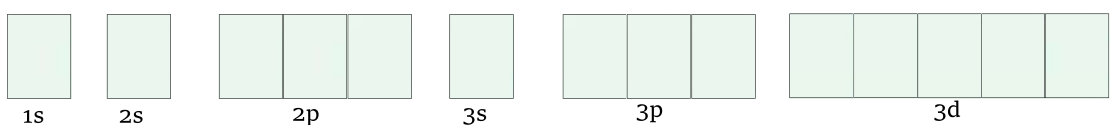
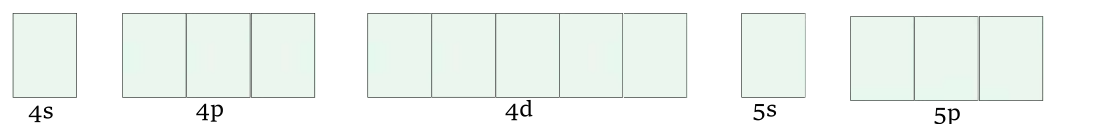
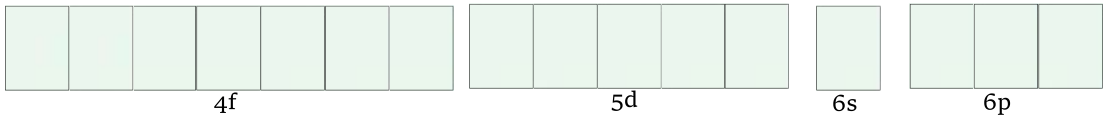
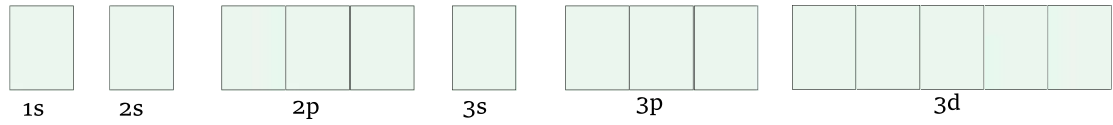
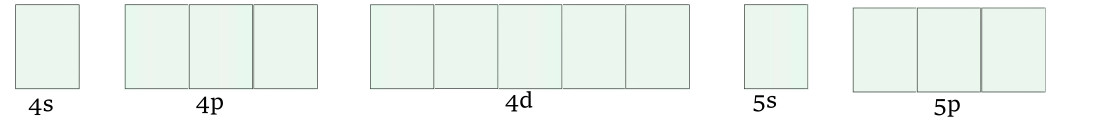
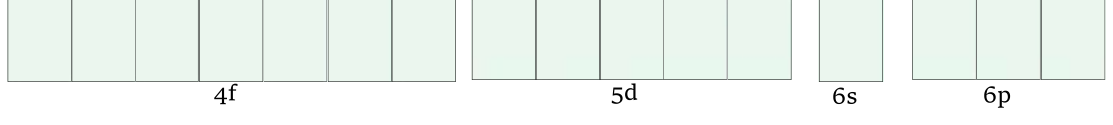
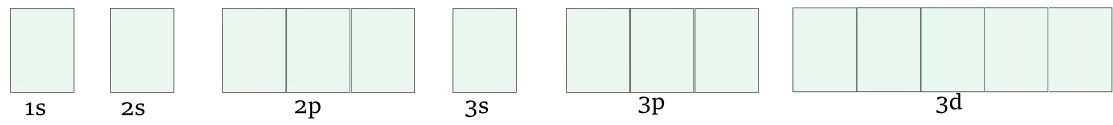
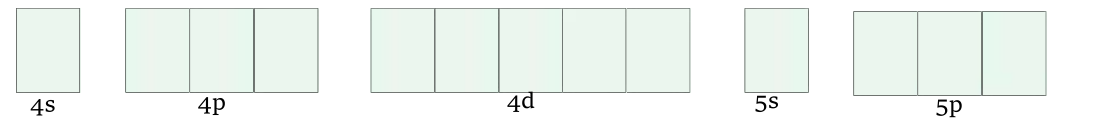
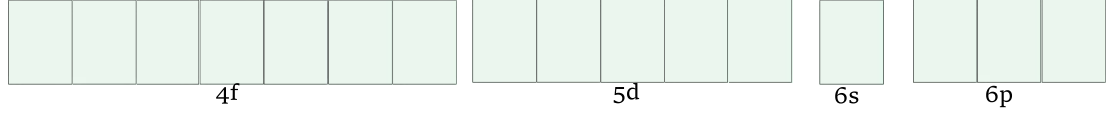
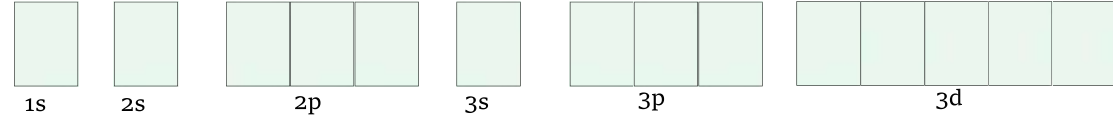
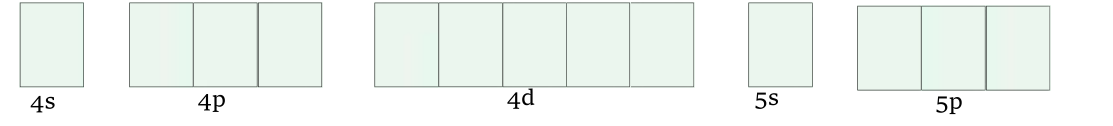

ELEMENTS	ORBITAL FILLING OF ELEMENTS	
LEAD	 <p style="font-size: small; text-align: center;">1s    2s    2p    3s    3p    3d 4s    4p    4d    5s    5p 4f    5d    6s    6p</p>	
	BISMUTH	 <p style="font-size: small; text-align: center;">1s    2s    2p    3s    3p    3d 4s    4p    4d    5s    5p 4f    5d    6s    6p</p>
		POLONIUM
ASTATINE		

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS

ELEMENTS	ORBITAL FILLING OF ELEMENTS
<b>LEAD</b>	 <p style="text-align: center;">1s    2s    2p    3s    3p    3d</p>
	 <p style="text-align: center;">4s    4p    4d    5s    5p</p>
	 <p style="text-align: center;">4f    5d    6s    6p</p>
<b>BISMUTH</b>	 <p style="text-align: center;">1s    2s    2p    3s    3p    3d</p>
	 <p style="text-align: center;">4s    4p    4d    5s    5p</p>
	 <p style="text-align: center;">4f    5d    6s    6p</p>
<b>POLONIUM</b>	 <p style="text-align: center;">1s    2s    2p    3s    3p    3d</p>
	 <p style="text-align: center;">4s    4p    4d    5s    5p</p>
	 <p style="text-align: center;">4f    5d    6s    6p</p>
<b>ASTATINE</b>	 <p style="text-align: center;">1s    2s    2p    3s    3p    3d</p>
	 <p style="text-align: center;">4s    4p    4d    5s    5p</p>
	 <p style="text-align: center;">4f    5d    6s    6p</p>













Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]



## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS			
HYDROGEN	 1s			
HELIUM	 1s			
LITHIUM	 1s      2s			
BERYLLIUM	 1s      2s			
BORON	 1s      2s      2p			
CARBON	 1s      2s      2p			
NITROGEN	 1s      2s      2p			
OXYGEN	 1s      2s      2p			
FLUORINE	 1s      2s      2p			
NEON	 1s      2s      2p			
SODIUM	 1s      2s      2p      3s			
MAGNESIUM	 1s      2s      2p      3s			

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS						
ALUMINIUM							
SILICON							
PHOSPHORUS							
SULFUR							
CHLORINE							
ARGON							
POTASSIUM							
CALCIUM							
SCANDIUM							
TITANIUM							

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS
VANADIUM	<p>1s 2s 2p 3s 3p 4s</p>
CHROMIUM	<p>1s 2s 2p 3s 3p 4s</p> <p>3d</p>
MANGANESE	<p>1s 2s 2p 3s 3p 4s</p> <p>3d</p>
IRON	<p>1s 2s 2p 3s 3p 4s</p> <p>3d</p>
COBALT	<p>1s 2s 2p 3s 3p 4s</p> <p>3d</p>
NICKEL	<p>1s 2s 2p 3s 3p 4s</p> <p>3d</p>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS
COPPER	
ZINC	
GALLIUM	
GERMANIUM	
ARSENIC	
SELENIUM	

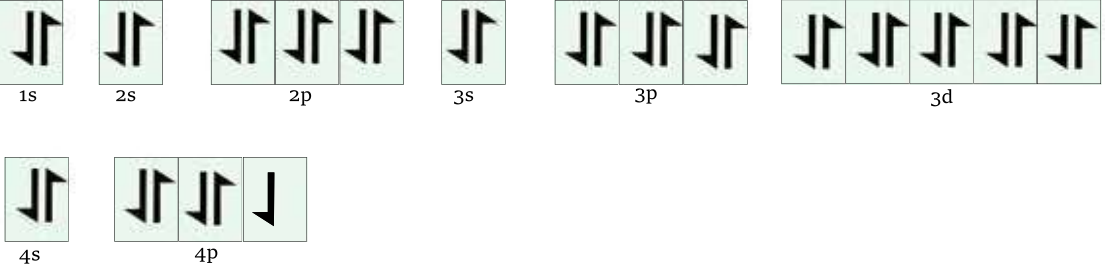
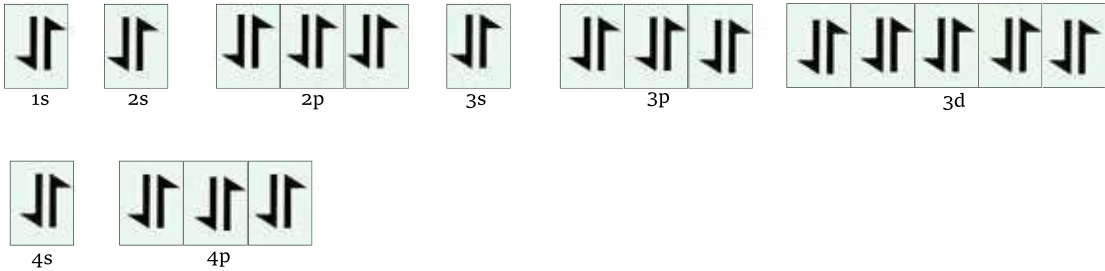
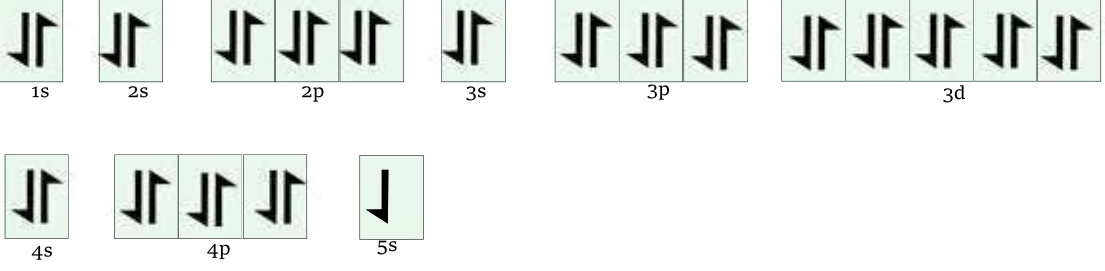
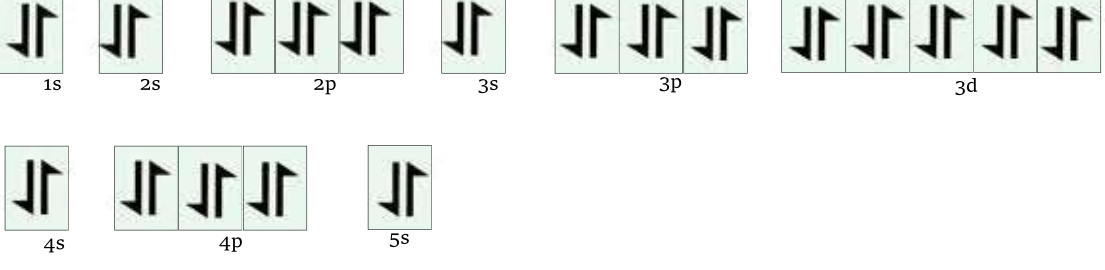
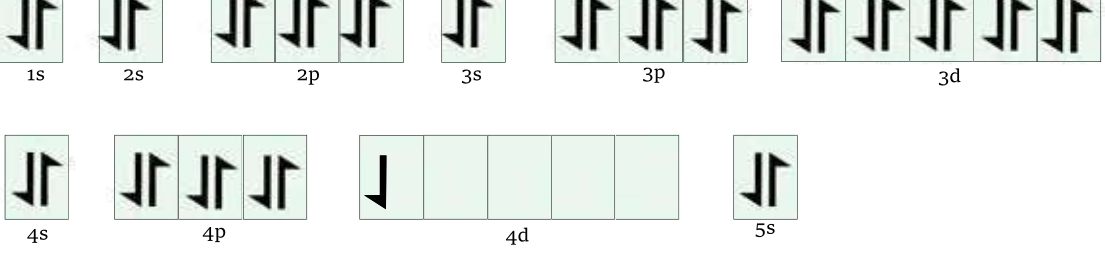
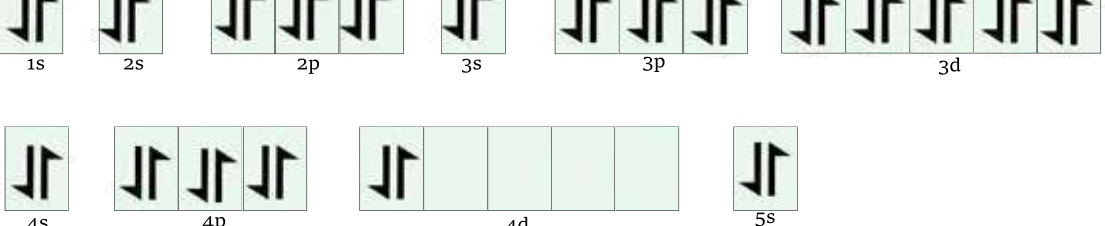
Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]



## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS
BROMINE	
KRYPTON	
RUBIDIUM	
STRONTIUM	
YTTRIUM	
ZIRCONIUM	

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

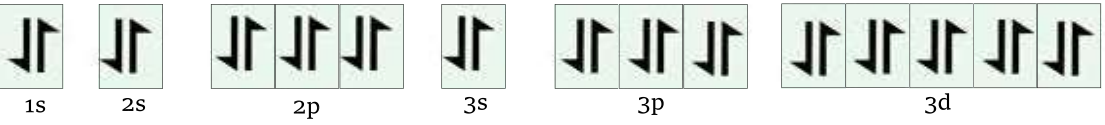
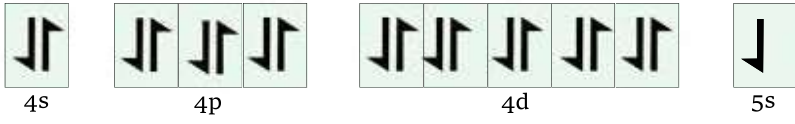
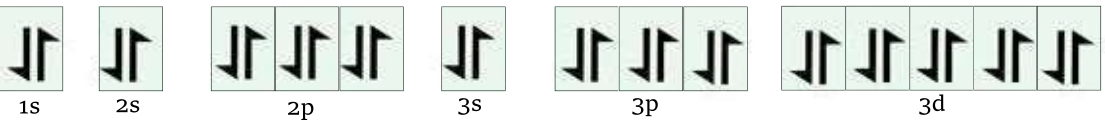

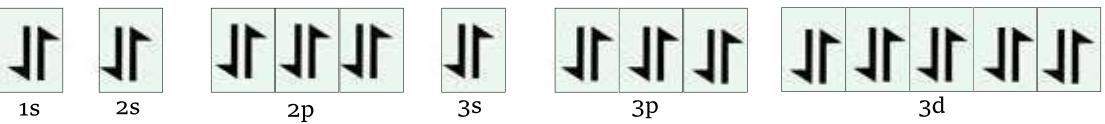
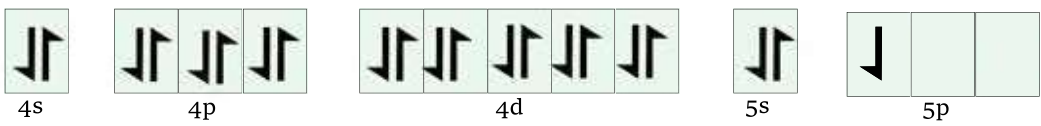
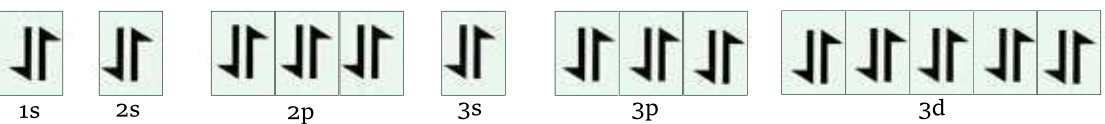
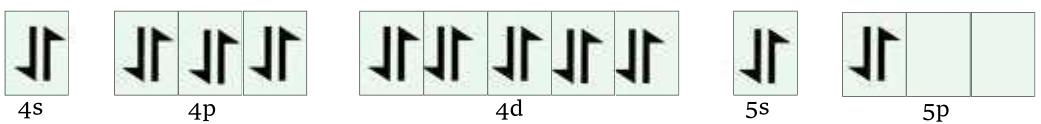
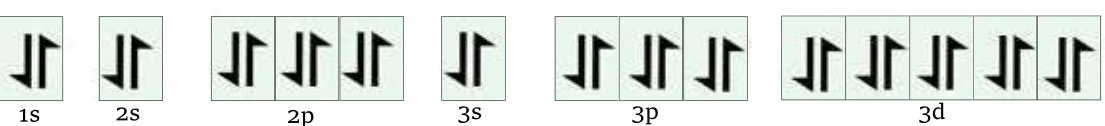
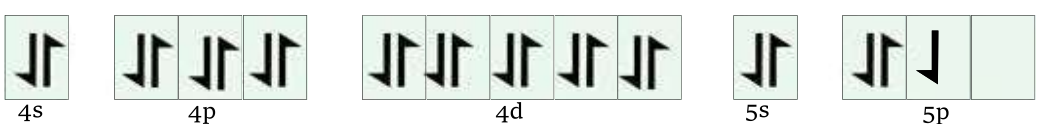
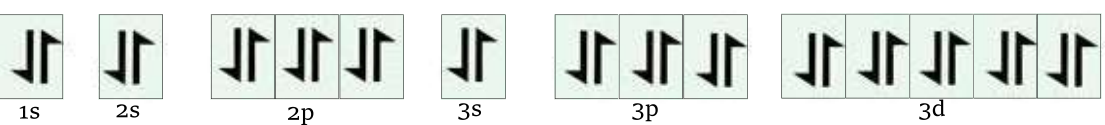
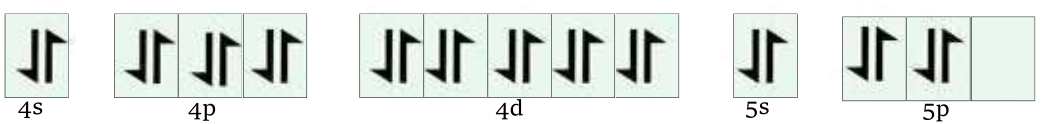
ELEMENTS	ORBITAL FILLING OF ELEMENTS
NIOBIUM	
MOLYBDENUM	
TECHNETIUM	
RUTHENIUM	
RHODIUM	
PALLADIUM	

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS
SILVER	 $1s$ $2s$ $2p$ $3s$ $3p$ $3d$
	 $4s$ $4p$ $4d$ $5s$
CADMIUM	 $1s$ $2s$ $2p$ $3s$ $3p$ $3d$
	 $4s$ $4p$ $4d$ $5s$
INDIUM	 $1s$ $2s$ $2p$ $3s$ $3p$ $3d$
	 $4s$ $4p$ $4d$ $5s$ $5p$
TIN	 $1s$ $2s$ $2p$ $3s$ $3p$ $3d$
	 $4s$ $4p$ $4d$ $5s$ $5p$
ANTIMONY	 $1s$ $2s$ $2p$ $3s$ $3p$ $3d$
	 $4s$ $4p$ $4d$ $5s$ $5p$
TELLURIUM	 $1s$ $2s$ $2p$ $3s$ $3p$ $3d$
	 $4s$ $4p$ $4d$ $5s$ $5p$

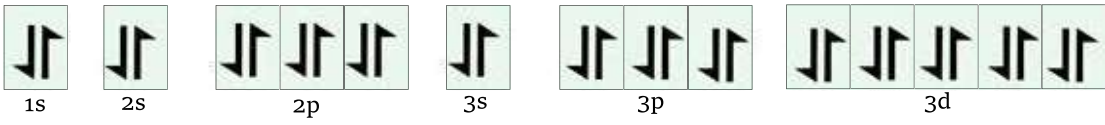
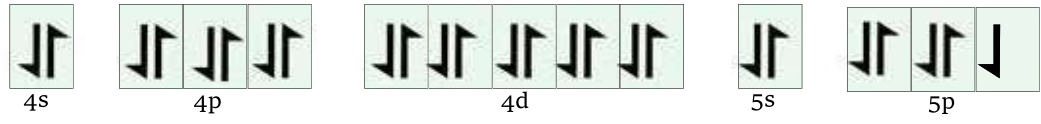

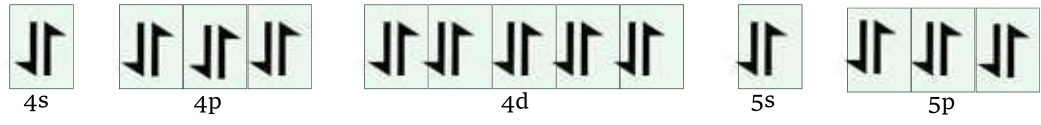

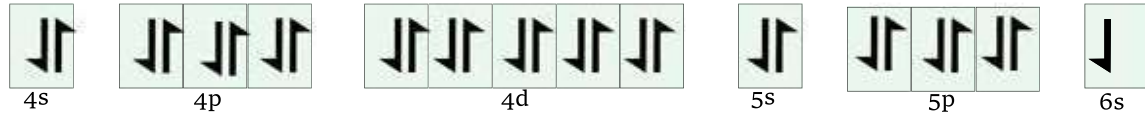

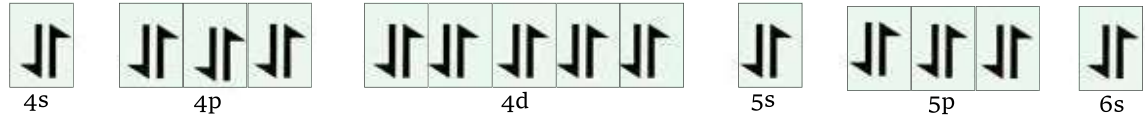

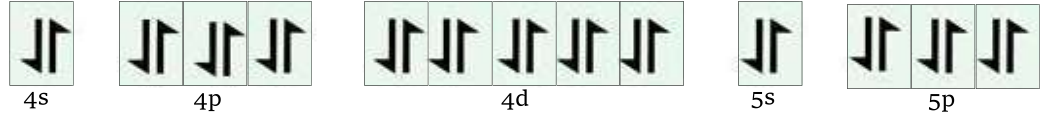

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]



## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS
IODINE	 <p>1s 2s 2p 3s 3p 3d</p>
	 <p>4s 4p 4d 5s 5p</p>
XENON	 <p>1s 2s 2p 3s 3p 3d</p>
	 <p>4s 4p 4d 5s 5p</p>
CESIUM	 <p>1s 2s 2p 3s 3p 3d</p>
	 <p>4s 4p 4d 5s 5p 6s</p>
BARIUM	 <p>1s 2s 2p 3s 3p 3d</p>
	 <p>4s 4p 4d 5s 5p 6s</p>
LANTHANUM	 <p>1s 2s 2p 3s 3p 3d</p>
	 <p>4s 4p 4d 5s 5p</p>
	 <p>5d 6s</p>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]



## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS
CERIUM	<p>1s 2s 2p 3s 3p 3d</p>
	<p>4s 4p 4d 5s 5p</p>
	<p>4f 5d 6s</p>
	<p>1s 2s 2p 3s 3p 3d</p>
PRASEODYMIUM	<p>4s 4p 4d 5s 5p</p>
	<p>4f 6s</p>
	<p>1s 2s 2p 3s 3p 3d</p>
	<p>4s 4p 4d 5s 5p</p>
NEODYMIUM	<p>4s 4p 4d 5s 5p</p>
	<p>4f 6s</p>
	<p>1s 2s 2p 3s 3p 3d</p>
	<p>4s 4p 4d 5s 5p</p>
PROMETHIUM	<p>4s 4p 4d 5s 5p</p>
	<p>4f 6s</p>
	<p>1s 2s 2p 3s 3p 3d</p>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS
SAMARIUM	<p>1s 2s 2p 3s 3p 3d</p> <p>4s 4p 4d 5s 5p</p> <p>4f 6s</p>
EUROPIUM	<p>1s 2s 2p 3s 3p 3d</p> <p>4s 4p 4d 5s 5p</p> <p>4f 6s</p>
GADOLINIUM	<p>1s 2s 2p 3s 3p 3d</p> <p>4s 4p 4d 5s 5p</p> <p>4f 5d 6s</p>
TERBIUM	<p>1s 2s 2p 3s 3p 3d</p> <p>4s 4p 4d 5s 5p</p> <p>4f 6s</p>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS
DYSPROSIUM	
HOLMIUM	
ERBIUM	
THULIUM	

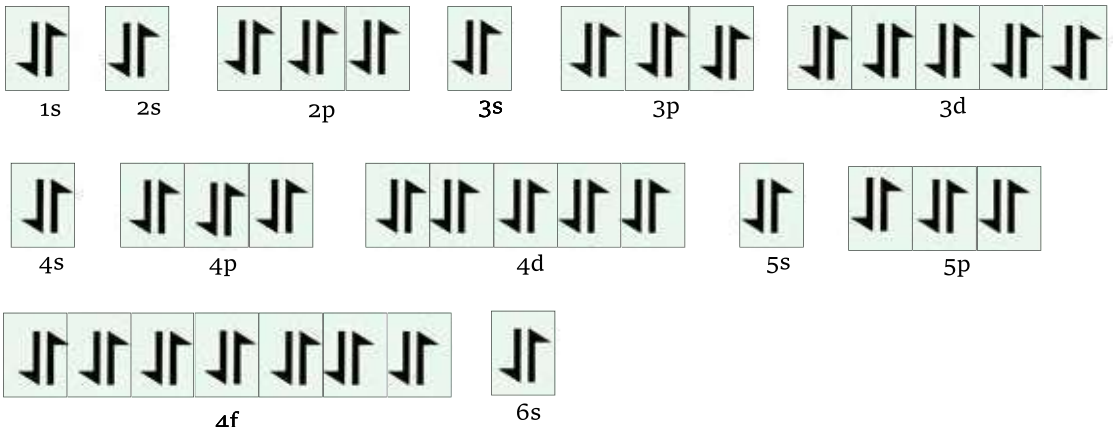
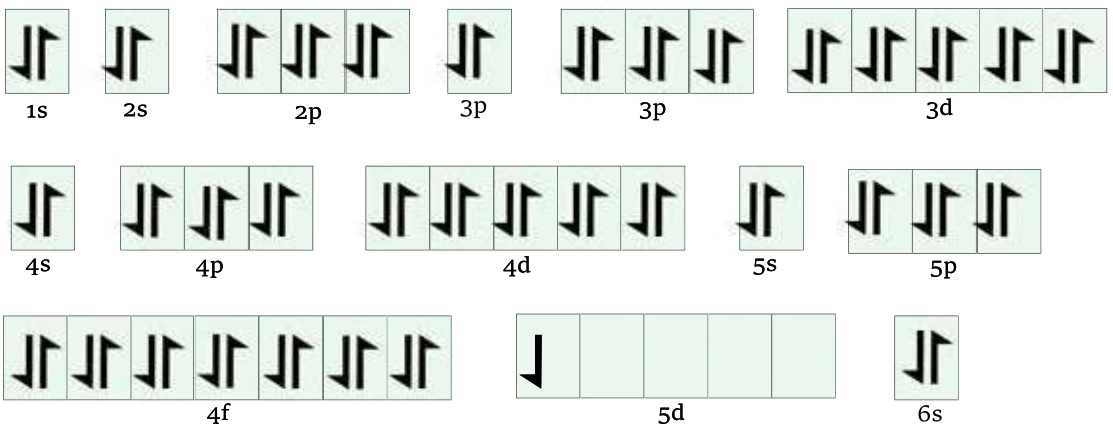
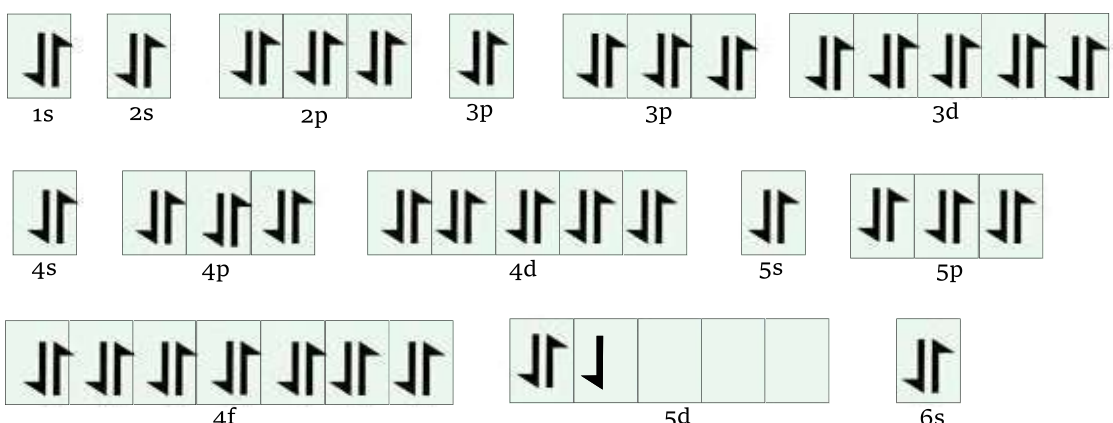
Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]



## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

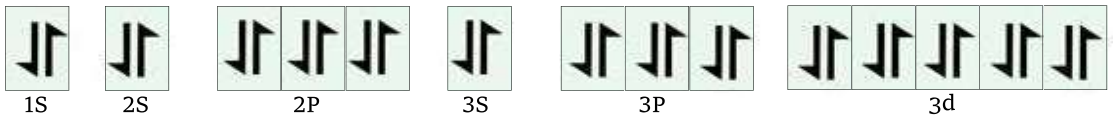
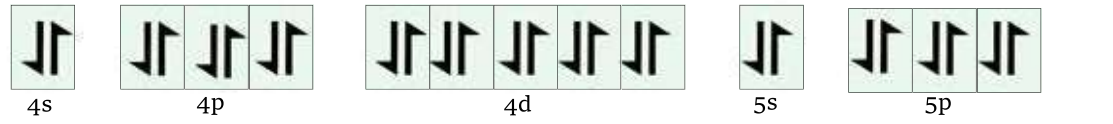

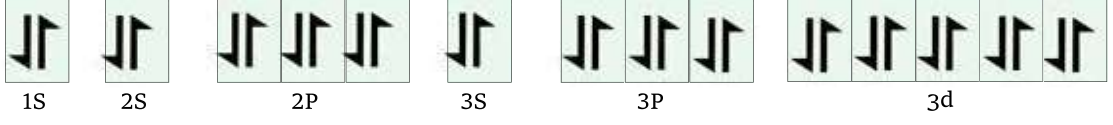
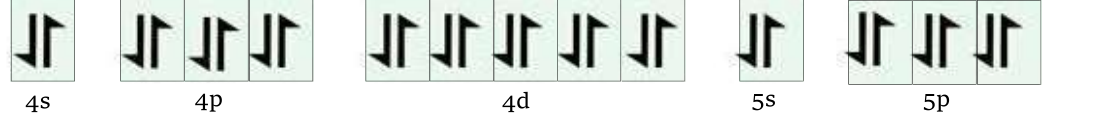


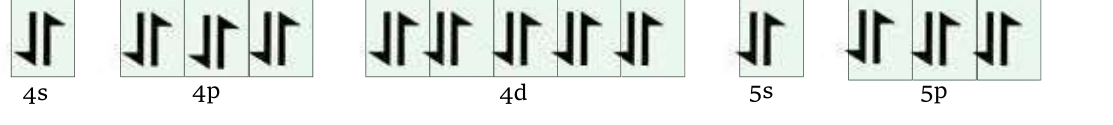


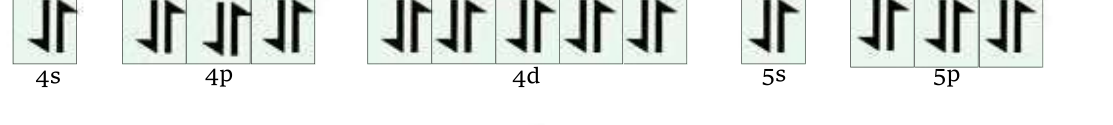

ELEMENTS	ORBITAL FILLING OF ELEMENTS	
YTTERBIUM		
	LUTETIUM	
		HAFNIUM
TANTALUM		

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

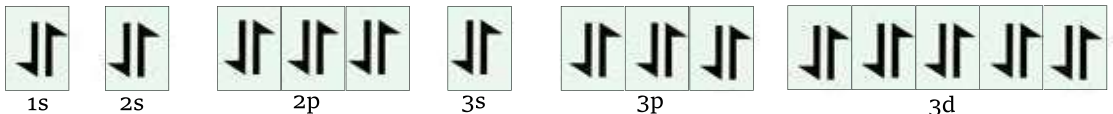
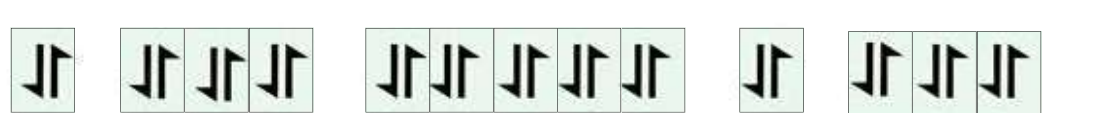
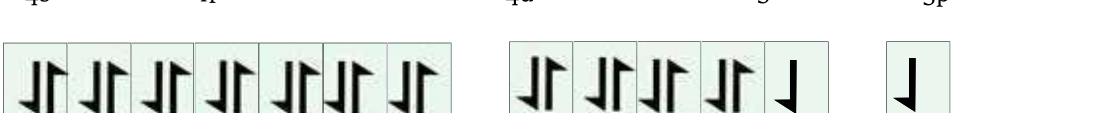

ELEMENTS	ORBITAL FILLING OF ELEMENTS
TUNGSTEN	 <p style="text-align: center;"> <span style="margin-right: 20px;">1s</span> <span style="margin-right: 20px;">2s</span> <span style="margin-right: 20px;">2p</span> <span style="margin-right: 20px;">3s</span> <span style="margin-right: 20px;">3p</span> <span>3d</span> </p>
	 <p style="text-align: center;"> <span style="margin-right: 20px;">4s</span> <span style="margin-right: 20px;">4p</span> <span style="margin-right: 20px;">4d</span> <span style="margin-right: 20px;">5s</span> <span>5p</span> </p>
	 <p style="text-align: center;"> <span style="margin-right: 20px;">4f</span> <span style="margin-right: 20px;">5d</span> <span>6s</span> </p>
RHENIUM	 <p style="text-align: center;"> <span style="margin-right: 20px;">1s</span> <span style="margin-right: 20px;">2s</span> <span style="margin-right: 20px;">2p</span> <span style="margin-right: 20px;">3s</span> <span style="margin-right: 20px;">3p</span> <span>3d</span> </p>
	 <p style="text-align: center;"> <span style="margin-right: 20px;">4s</span> <span style="margin-right: 20px;">4p</span> <span style="margin-right: 20px;">4d</span> <span style="margin-right: 20px;">5s</span> <span>5p</span> </p>
	 <p style="text-align: center;"> <span style="margin-right: 20px;">4f</span> <span style="margin-right: 20px;">5d</span> <span>6s</span> </p>
OSMIUM	 <p style="text-align: center;"> <span style="margin-right: 20px;">1s</span> <span style="margin-right: 20px;">2s</span> <span style="margin-right: 20px;">2p</span> <span style="margin-right: 20px;">3s</span> <span style="margin-right: 20px;">3p</span> <span>3d</span> </p>
	 <p style="text-align: center;"> <span style="margin-right: 20px;">4s</span> <span style="margin-right: 20px;">4p</span> <span style="margin-right: 20px;">4d</span> <span style="margin-right: 20px;">5s</span> <span>5p</span> </p>
	 <p style="text-align: center;"> <span style="margin-right: 20px;">4f</span> <span style="margin-right: 20px;">5d</span> <span>6s</span> </p>
IRIDIUM	 <p style="text-align: center;"> <span style="margin-right: 20px;">1s</span> <span style="margin-right: 20px;">2s</span> <span style="margin-right: 20px;">2p</span> <span style="margin-right: 20px;">3s</span> <span style="margin-right: 20px;">3p</span> <span>3d</span> </p>
	 <p style="text-align: center;"> <span style="margin-right: 20px;">4s</span> <span style="margin-right: 20px;">4p</span> <span style="margin-right: 20px;">4d</span> <span style="margin-right: 20px;">5s</span> <span>5p</span> </p>
	 <p style="text-align: center;"> <span style="margin-right: 20px;">4f</span> <span style="margin-right: 20px;">5d</span> <span>6s</span> </p>

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS
PLATINUM	
	
	
	

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]



## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

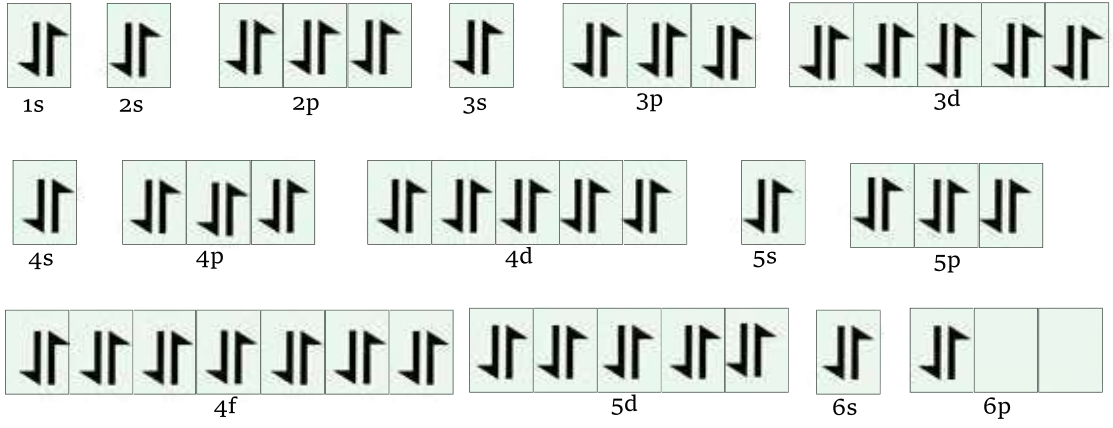
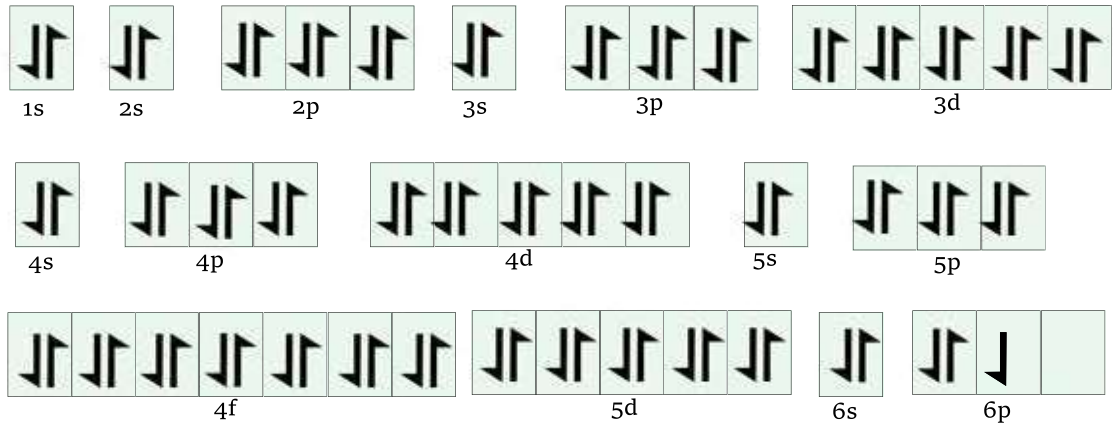
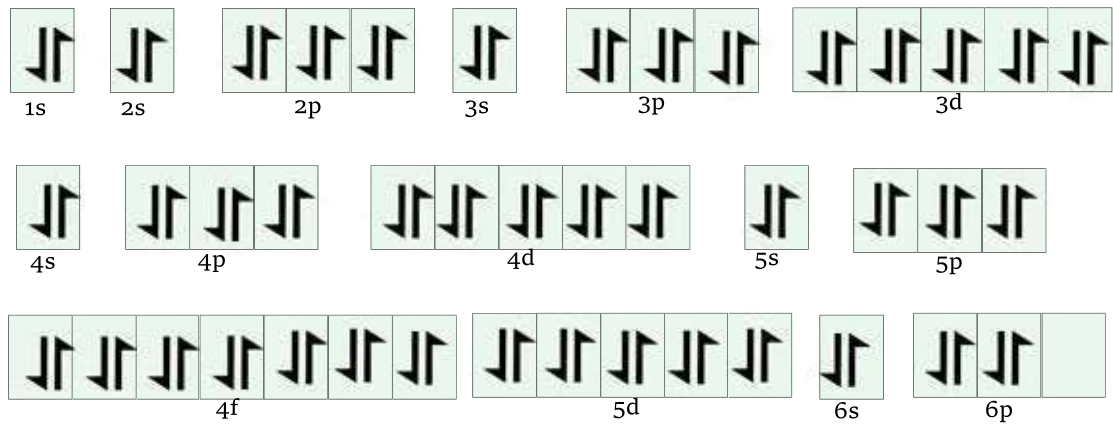
ELEMENTS	ORBITAL FILLING OF ELEMENTS
LEAD	
BISMUTH	
POLONIUM	
ASTATINE	

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]

## DRAW ORBITAL DIAGRAMS FOR FOLLOWING ELEMENTS- ANSWER

ELEMENTS	ORBITAL FILLING OF ELEMENTS		
LEAD			
	BISMUTH		
		POLONIUM	
			ASTATINE

Download complete set of Electron Configuration Worksheets here

<https://gosciencegirls.com/electron-configuration-worksheet>

© <https://gosciencegirls.com> [Go Science Girls]