



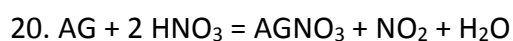
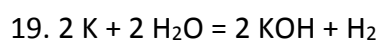
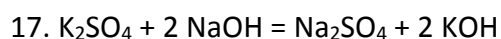
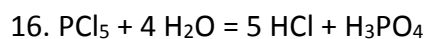
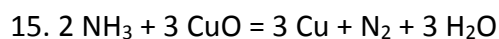
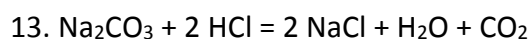
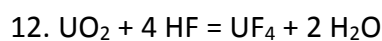
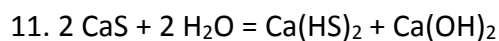
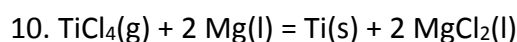
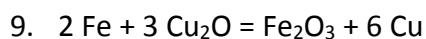
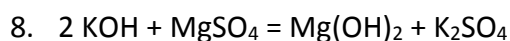
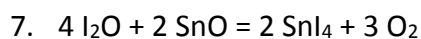
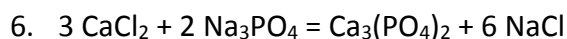
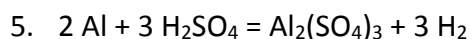
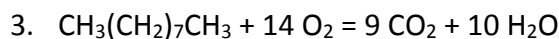
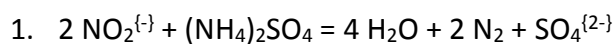
BALANCE THE GIVEN CHEMICAL EQUATIONS

Worksheet - 23

1. $\text{___ NO}_2^{\{-\}} + (\text{NH}_4)_2\text{SO}_4 = \text{___ H}_2\text{O} + 2 \text{N}_2 + \text{SO}_4^{\{2-\}}$
2. $3 \text{NaOH} + \text{H}_3\text{PO}_4 = \text{Na}_3\text{PO}_4 + \text{___ H}_2\text{O}$
3. $\text{CH}_3(\text{CH}_2)_7\text{CH}_3 + \text{___ O}_2 = 9 \text{CO}_2 + 10 \text{H}_2\text{O}$
4. $2 \text{PbCrO}_4 + 6 \text{KI} + 16 \text{HCl} = \text{___ PbCl}_2 + 6 \text{KCl} + 2 \text{CrCl}_3 + 8 \text{H}_2\text{O} + 3 \text{I}_2$
5. $2 \text{Al} + 3 \text{H}_2\text{SO}_4 = \text{Al}_2(\text{SO}_4)_3 + \text{___ H}_2$
6. $3 \text{CaCl}_2 + \text{___ Na}_3\text{PO}_4 = \text{Ca}_3(\text{PO}_4)_2 + 6 \text{NaCl}$
7. $4 \text{I}_2\text{O} + 2 \text{SnO} = \text{___ SnI}_4 + 3 \text{O}_2$
8. $\text{___ KOH} + \text{MgSO}_4 = \text{Mg}(\text{OH})_2 + \text{K}_2\text{SO}_4$
9. $\text{___ Fe} + 3 \text{Cu}_2\text{O} = \text{Fe}_2\text{O}_3 + 6 \text{Cu}$
10. $\text{TiCl}_4(\text{g}) + \text{___ Mg}(\text{l}) = \text{Ti}(\text{s}) + 2 \text{MgCl}_2(\text{l})$
11. $2 \text{CaS} + \text{___ H}_2\text{O} = \text{Ca}(\text{HS})_2 + \text{Ca}(\text{OH})_2$
12. $\text{UO}_2 + \text{___ HF} = \text{UF}_4 + \text{___ H}_2\text{O}$
13. $\text{Na}_2\text{CO}_3 + \text{___ HCl} = 2 \text{NaCl} + \text{H}_2\text{O} + \text{CO}_2$
14. $\text{___ H}_2\text{SO}_4 + \text{Cu} = \text{CuSO}_4 + \text{H}_2\text{O} + \text{H}_2\text{SO}_3$
15. $2 \text{NH}_3 + \text{___ CuO} = 3 \text{Cu} + \text{N}_2 + \text{___ H}_2\text{O}$
16. $\text{PCl}_5 + \text{___ H}_2\text{O} = \text{___ HCl} + \text{H}_3\text{PO}_4$
17. $\text{K}_2\text{SO}_4 + \text{___ NaOH} = \text{Na}_2\text{SO}_4 + \text{___ KOH}$
18. $3 \text{Ca}(\text{NO}_3)_2 + \text{___ Na}_3\text{PO}_4 = \text{Ca}_3(\text{PO}_4)_2 + \text{___ NaNO}_3$
19. $2 \text{K} + 2 \text{H}_2\text{O} = \text{___ KOH} + \text{H}_2$
20. $\text{Ag} + \text{___ HNO}_3 = \text{AgNO}_3 + \text{NO}_2 + \text{H}_2\text{O}$



ANSWERS





Thanks for downloading our free printable.

We have thousands of such resources in our blog for teachers and parents.

[You can download them for free here!](#)

Free Printables from Go Science Girls – Fair Usage Policy

You can ...

- Download and save this free printable from gosciencegirls.com to your computer.
- Print this file and use it as many times as you want in your home, classrooms or for your library.
- Feel free to link our blog post where your visitors can find and download this printable for free.
- When you post online about this resource – please give due credit to gosciencegirls.com

You Cannot ...

- Access this file or download it from other sites apart from gosciencegirls.com
- Other websites cannot link to this pdf directly. If required, they are welcomed to link to the blog post from where this pdf can be downloaded.
- The ownership of this pdf rests with GoScienceGirls. No one can claim ownership for this file.
- You are not allowed to sell printed copies of this file to others.
- You are not allowed to store this file electronically and redistribute it (only personal use is allowed).

Further Questions?

Feel free to email us at contactgosciencegirls@gmail.com for any further questions and suggestions. We would love to hear from you. We promise to respond back as soon as we can.