



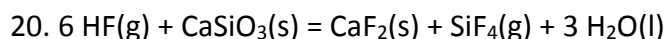
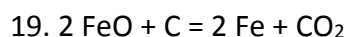
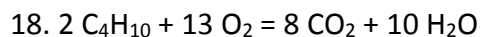
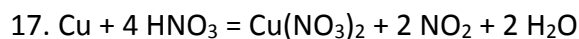
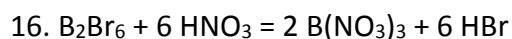
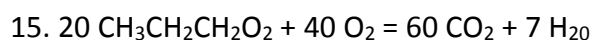
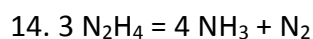
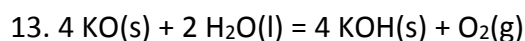
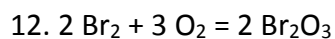
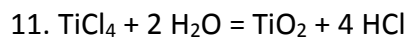
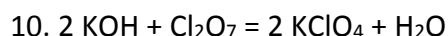
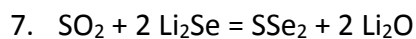
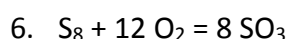
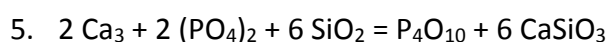
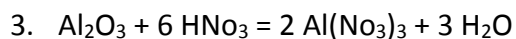
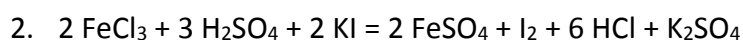
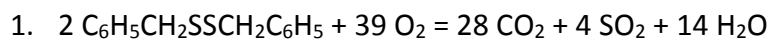
BALANCE THE GIVEN CHEMICAL EQUATIONS

Worksheet - 72

1. $\text{C}_6\text{H}_5\text{CH}_2\text{SSCH}_2\text{C}_6\text{H}_5 + 39 \text{O}_2 = 28 \text{CO}_2 + 4 \text{SO}_2 + \text{H}_2\text{O}$
2. $2 \text{FeCl}_3 + 3 \text{H}_2\text{SO}_4 + \text{KI} = 2 \text{FeSO}_4 + \text{I}_2 + \text{HCl} + \text{K}_2\text{SO}_4$
3. $\text{Al}_2\text{O}_3 + \text{HNO}_3 = 2 \text{Al}(\text{NO}_3)_3 + \text{H}_2\text{O}$
4. $3 \text{Zn} + \text{HNO}_3 = 3 \text{Zn}(\text{NO}_3)_2 + \text{NO} + 4 \text{H}_2\text{O}$
5. $\text{Ca}_3 + 2 (\text{PO}_4)_2 + 6 \text{SiO}_2 = \text{P}_4\text{O}_{10} + \text{CaSiO}_3$
6. $\text{S}_8 + \text{O}_2 = \text{SO}_3$
7. $\text{SO}_2 + \text{Li}_2\text{Se} = \text{SSe}_2 + \text{Li}_2\text{O}$
8. $3 \text{Ca}(\text{OH})_2 + \text{H}_3\text{PO}_4 = \text{Ca}_3(\text{PO}_4)_2 + \text{H}_2\text{O}$
9. $3 \text{CUS} + \text{HNO}_3 = 3 \text{CU}(\text{NO}_3) + 3 \text{S} + \text{NO} + \text{H}_2\text{O}$
10. $\text{KOH} + \text{Cl}_2\text{O}_7 = \text{KClO}_4 + \text{H}_2\text{O}$
11. $\text{TiCl}_4 + \text{H}_2\text{O} = \text{TiO}_2 + \text{HCl}$
12. $2 \text{Br}_2 + \text{O}_2 = \text{Br}_2\text{O}_3$
13. $\text{KO}(\text{s}) + 2 \text{H}_2\text{O}(\text{l}) = \text{KOH}(\text{s}) + \text{O}_2(\text{g})$
14. $\text{N}_2\text{H}_4 = \text{NH}_3 + \text{N}_2$
15. $\text{CH}_3\text{CH}_2\text{CH}_2\text{O}_2 + 40 \text{O}_2 = \text{CO}_2 + 7 \text{H}_2\text{O}$
16. $\text{B}_2\text{Br}_6 + \text{HNO}_3 = 2 \text{B}(\text{NO}_3)_3 + \text{HBr}$
17. $\text{Cu} + \text{HNO}_3 = \text{Cu}(\text{NO}_3)_2 + \text{NO}_2 + 2 \text{H}_2\text{O}$
18. $2 \text{C}_4\text{H}_{10} + \text{O}_2 = 8 \text{CO}_2 + \text{H}_2\text{O}$
19. $\text{FeO} + \text{C} = \text{Fe} + \text{CO}_2$
20. $\text{HF}(\text{g}) + \text{CaSiO}_3(\text{s}) = \text{CaF}_2(\text{s}) + \text{SiF}_4(\text{g}) + \text{H}_2\text{O}(\text{l})$



ANSWERS





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Further Questions?

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