

CHEMISTRY - CHAPTER 3: EQUATIONS

BALANCING EQUATIONS: FORMULAS GIVEN

Practice Sheet 10

Balance the following equations:

1. $\text{Al} + \text{O}_2 \rightarrow \text{Al}_2\text{O}_3$
2. $\text{Fe} + \text{Cl}_2 \rightarrow \text{FeCl}_3$
3. $\text{CaCl}_2 + \text{Na}_2\text{CO}_3 \rightarrow \text{CaCO}_3$
4. $\text{MgSO}_4 + \text{NaCl} \rightarrow \text{Na}_2\text{SO}_4$
5. $\text{Ba} + \text{O} \rightarrow \text{Ba}_2\text{O} + \text{BaO} + \text{O}_2$
6. $\text{Methane} + \text{O}_2 \rightarrow \text{Water} + \text{CO}_2$
7. $\text{Na}_2\text{O} + \text{Na}_2\text{O}_2 \rightarrow \text{O}_2$
8. $\text{Al} + \text{Sulfur} \rightarrow \text{Aluminum} + \text{Al}_2\text{S}_3$
9. $\text{Fe}_2\text{O}_3 + \text{CO} \rightarrow \text{Fe}_3\text{O}_4 + \text{CO}_2$
10. $\text{Hydro} + \text{Water} \rightarrow \text{Hydrogen} + \text{Water}$
11. $\text{Hydro} + \text{Water} \rightarrow \text{Hydro} + \text{Water}$
12. $\text{Sul} + \text{O}_2 \rightarrow \text{Sul} + \text{SO}_2$
13. $\text{Fe} + \text{SO}_2 \rightarrow \text{Fe} + \text{Sulfur}$
14. $\text{NaCl} + \text{Sulfuric} \rightarrow \text{Sulfuric} + \text{NaCl}$
15. $\text{CaCl} + \text{O}_2 \rightarrow \text{CaO} + \text{SO}_2$
16. $\text{Fe} + \text{SO}_2 \rightarrow \text{FeSO}_4 + \text{O}_2$
17. $\text{Fe} + \text{SO}_2 \rightarrow \text{FeSO}_4$
18. $\text{Sulfuric} + \text{SO}_2 \rightarrow \text{Sulfuric} + \text{SO}_2$
19. $\text{Sulfuric} + \text{SO}_2 \rightarrow \text{Sulfuric} + \text{SO}_2$
20. $\text{Fluoric} + \text{Water} \rightarrow \text{Fluoric} + \text{Water} + \text{SO}_2$
21. $\text{Sulfuric} + \text{O}_2 \rightarrow \text{Sulfuric} + \text{SO}_2$
22. $\text{Sulfuric} + \text{SO}_2 \rightarrow \text{Sulfuric} + \text{SO}_2$
23. $\text{Sulfuric} + \text{SO}_2 \rightarrow \text{Sulfuric} + \text{SO}_2$
24. $\text{Fluoric} + \text{SO}_2 + \text{O}_2 \rightarrow \text{Sulfuric} + \text{SO}_2$
25. $\text{SO}_2 + \text{SO}_2 \rightarrow \text{Sulfuric} + \text{SO}_2$
26. $\text{SO}_2 + \text{SO}_2 \rightarrow \text{SO}_2 + \text{SO}_2 + \text{SO}_2$
27. $\text{SO}_2 + \text{SO}_2 \rightarrow \text{SO}_2 + \text{SO}_2 + \text{SO}_2$
28. $\text{Sulfuric} + \text{O}_2 + \text{O}_2 \rightarrow \text{Sulfuric} + \text{SO}_2$
29. $\text{Sulfuric} + \text{Sulfuric} + \text{SO}_2 \rightarrow \text{Sulfuric} + \text{Sulfuric} + \text{Sulfuric} + \text{SO}_2$