

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. $\text{NaCl} + \text{NaCl} \rightarrow \text{Na}$
8. $\text{Al} + \text{Al}_2\text{O}_3 \rightarrow \text{Al}_2\text{O}_3 + \text{Al}$
9. $\text{Fe}_2\text{O}_3 + \text{Fe} \rightarrow \text{Fe}_2\text{O}_3 + \text{Fe}$
10. $\text{AgCl}_2 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaCl}_2$
11. $\text{AgCl}_2 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaCl}_2$
12. $\text{Na} + \text{Na} \rightarrow \text{Na} + \text{Na}$
13. $\text{Na} + \text{NaCl} \rightarrow \text{Na} + \text{NaCl}$
14. $\text{NaCl} + \text{MgSO}_4 \rightarrow \text{Na}_2\text{SO}_4 + \text{MgCl}_2$
15. $\text{CaCl}_2 + \text{Na} \rightarrow \text{Ca} + \text{NaCl}$
16. $\text{Na} + \text{NaCl} \rightarrow \text{NaCl} + \text{Na}$
17. $\text{Na} + \text{NaCl} \rightarrow \text{NaCl}$
18. $\text{Methane} + \text{O}_2 \rightarrow \text{Water} + \text{CO}_2$
19. $\text{Methane} + \text{O}_2 \rightarrow \text{Methane} + \text{O}_2$
20. $\text{Calcium} + \text{Calcium} \rightarrow \text{Calcium} + \text{Calcium} + \text{O}_2$
21. $\text{Methane} + \text{O}_2 \rightarrow \text{Water} + \text{CO}_2$
22. $\text{Sulfur} + \text{Na} \rightarrow \text{Sulfur} + \text{Na}_2\text{S}$
23. $\text{Methane} + \text{NaCl} \rightarrow \text{Methane} + \text{NaCl}$
24. $\text{Calcium} + \text{NaCl} + \text{Na} \rightarrow \text{Calcium} + \text{NaCl}$
25. $\text{NaCl} + \text{NaCl} \rightarrow \text{NaCl} + \text{NaCl}$
26. $\text{NaCl} + \text{NaCl} \rightarrow \text{Na} + \text{Na} + \text{NaCl}$
27. $\text{NaCl} + \text{NaCl} \rightarrow \text{Na} + \text{Na} + \text{NaCl}$
28. $\text{Methane} + \text{O}_2 + \text{O} \rightarrow \text{Water} + \text{CO}_2$
29. $\text{Methane} + \text{Methane} + \text{Na} + \text{Methane} + \text{Methane} + \text{Methane} + \text{O}_2$