

**Science & Technology 404**  
*BALANCING EQUATIONS*

01. \_\_\_\_ Hg + \_\_\_\_ O<sub>2</sub> -----> \_\_\_\_ HgO
02. \_\_\_\_ H<sub>2</sub> + \_\_\_\_ O<sub>2</sub> -----> \_\_\_\_ H<sub>2</sub>O
03. \_\_\_\_ Mg + \_\_\_\_ O<sub>2</sub> -----> \_\_\_\_ MgO
04. \_\_\_\_ O<sub>2</sub> + \_\_\_\_ Cl<sub>2</sub> -----> \_\_\_\_ OCl<sub>2</sub>
05. \_\_\_\_ Al + \_\_\_\_ F<sub>2</sub> -----> \_\_\_\_ AlF<sub>3</sub>
06. \_\_\_\_ KNO<sub>3</sub> -----> \_\_\_\_ KNO<sub>2</sub> + \_\_\_\_ O<sub>2</sub>
07. \_\_\_\_ Zn + \_\_\_\_ HCl -----> \_\_\_\_ ZnCl<sub>2</sub> + \_\_\_\_ H<sub>2</sub>
08. \_\_\_\_ KClO<sub>3</sub> -----> \_\_\_\_ KCl + \_\_\_\_ O<sub>2</sub>
09. \_\_\_\_ KOH + \_\_\_\_ HCl -----> \_\_\_\_ KCl + \_\_\_\_ H<sub>2</sub>O
10. \_\_\_\_ Na<sub>2</sub>SO<sub>4</sub> + \_\_\_\_ HCl -----> \_\_\_\_ NaCl + \_\_\_\_ H<sub>2</sub>SO<sub>4</sub>
11. \_\_\_\_ Mg + \_\_\_\_ HCl -----> \_\_\_\_ MgCl<sub>2</sub> + \_\_\_\_ H<sub>2</sub>
12. \_\_\_\_ NaOH + \_\_\_\_ HCl -----> \_\_\_\_ NaCl + \_\_\_\_ H<sub>2</sub>O
13. \_\_\_\_ CaCO<sub>3</sub> + \_\_\_\_ HCl -----> \_\_\_\_ CaCl<sub>2</sub> + \_\_\_\_ H<sub>2</sub>CO<sub>3</sub>
14. \_\_\_\_ SiO<sub>2</sub> + \_\_\_\_ HF -----> \_\_\_\_ SiF<sub>4</sub> + \_\_\_\_ H<sub>2</sub>O
15. \_\_\_\_ Pb(NO<sub>3</sub>)<sub>2</sub> -----> \_\_\_\_ PbO + \_\_\_\_ NO<sub>2</sub> + \_\_\_\_ O<sub>2</sub>
16. \_\_\_\_ H<sub>2</sub>SO<sub>4</sub> + \_\_\_\_ Cu -----> \_\_\_\_ CuSO<sub>4</sub> + \_\_\_\_ SO<sub>2</sub> + \_\_\_\_ H<sub>2</sub>O
17. \_\_\_\_ PbS<sub>2</sub> + \_\_\_\_ O<sub>2</sub> -----> \_\_\_\_ Pb<sub>2</sub>O<sub>3</sub> + \_\_\_\_ SO<sub>2</sub>
18. \_\_\_\_ MnO<sub>2</sub> + \_\_\_\_ HCl -----> \_\_\_\_ MnCl<sub>2</sub> + \_\_\_\_ Cl<sub>2</sub> + \_\_\_\_ H<sub>2</sub>O
19. \_\_\_\_ Al + \_\_\_\_ HCl -----> \_\_\_\_ AlCl<sub>3</sub> + \_\_\_\_ H<sub>2</sub>