

## Balancing Chemical Equations

*Balance the equations below:*

- 1) \_\_\_ N<sub>2</sub> + \_\_\_ H<sub>2</sub> → \_\_\_ NH<sub>3</sub>
- 2) \_\_\_ KClO<sub>3</sub> → \_\_\_ KCl + \_\_\_ O<sub>2</sub>
- 3) \_\_\_ NaCl + \_\_\_ F<sub>2</sub> → \_\_\_ NaF + \_\_\_ Cl<sub>2</sub>
- 4) \_\_\_ H<sub>2</sub> + \_\_\_ O<sub>2</sub> → \_\_\_ H<sub>2</sub>O
- 5) \_\_\_ Pb(OH)<sub>2</sub> + \_\_\_ HCl → \_\_\_ H<sub>2</sub>O + \_\_\_ PbCl<sub>2</sub>
- 6) \_\_\_ AlBr<sub>3</sub> + \_\_\_ K<sub>2</sub>SO<sub>4</sub> → \_\_\_ KBr + \_\_\_ Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>
- 7) \_\_\_ CH<sub>4</sub> + \_\_\_ O<sub>2</sub> → \_\_\_ CO<sub>2</sub> + \_\_\_ H<sub>2</sub>O
- 8) \_\_\_ C<sub>3</sub>H<sub>8</sub> + \_\_\_ O<sub>2</sub> → \_\_\_ CO<sub>2</sub> + \_\_\_ H<sub>2</sub>O
- 9) \_\_\_ C<sub>8</sub>H<sub>18</sub> + \_\_\_ O<sub>2</sub> → \_\_\_ CO<sub>2</sub> + \_\_\_ H<sub>2</sub>O
- 10) \_\_\_ FeCl<sub>3</sub> + \_\_\_ NaOH → \_\_\_ Fe(OH)<sub>3</sub> + \_\_\_ NaCl
- 11) \_\_\_ P + \_\_\_ O<sub>2</sub> → \_\_\_ P<sub>2</sub>O<sub>5</sub>
- 12) \_\_\_ Na + \_\_\_ H<sub>2</sub>O → \_\_\_ NaOH + \_\_\_ H<sub>2</sub>
- 13) \_\_\_ Ag<sub>2</sub>O → \_\_\_ Ag + \_\_\_ O<sub>2</sub>
- 14) \_\_\_ S<sub>8</sub> + \_\_\_ O<sub>2</sub> → \_\_\_ SO<sub>3</sub>
- 15) \_\_\_ CO<sub>2</sub> + \_\_\_ H<sub>2</sub>O → \_\_\_ C<sub>6</sub>H<sub>12</sub>O<sub>6</sub> + \_\_\_ O<sub>2</sub>
- 16) \_\_\_ K + \_\_\_ MgBr<sub>2</sub> → \_\_\_ KBr + \_\_\_ Mg
- 17) \_\_\_ HCl + \_\_\_ CaCO<sub>3</sub> → \_\_\_ CaCl<sub>2</sub> + \_\_\_ H<sub>2</sub>O + \_\_\_ CO<sub>2</sub>
- 18) \_\_\_ HNO<sub>3</sub> + \_\_\_ NaHCO<sub>3</sub> → \_\_\_ NaNO<sub>3</sub> + \_\_\_ H<sub>2</sub>O + \_\_\_ CO<sub>2</sub>
- 19) \_\_\_ H<sub>2</sub>O + \_\_\_ O<sub>2</sub> → \_\_\_ H<sub>2</sub>O<sub>2</sub>
- 20) \_\_\_ NaBr + \_\_\_ CaF<sub>2</sub> → \_\_\_ NaF + \_\_\_ CaBr<sub>2</sub>
- 21) \_\_\_ H<sub>2</sub>SO<sub>4</sub> + \_\_\_ NaNO<sub>2</sub> → \_\_\_ HNO<sub>2</sub> + \_\_\_ Na<sub>2</sub>SO<sub>4</sub>