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| **REACTANTS** | **PRODUCTS** |
| **(1)** |  |
| **(2)** |  |
| **(3)** |  |
| **(4)** |  |
| **(5)** |  |

**Identify reactants and products**

**1.** Cu + O2 → CuO

**2.** H2O → H2 + O2

**3.** Fe + H2O → H2 + Fe3O4

**4.** AsCl3 + H2S → As2S3 + HCl

**5.** K2SO4 + BaCl2 → KCl + BaSO4

**Balance the equations below:**

1) \_\_\_\_ N2 + \_\_\_\_ H2 🡪 \_\_\_\_ NH3

2) \_\_\_\_ KClO3 🡪 \_\_\_\_ KCl + \_\_\_\_ O2

3) \_\_\_\_ NaCl + \_\_\_\_ F2 🡪 \_\_\_\_ NaF + \_\_\_\_ Cl2

4) \_\_\_\_ H2 + \_\_\_\_ O2 🡪 \_\_\_\_ H2O

5) \_\_\_\_ Pb(OH)2 + \_\_\_\_ HCl 🡪 \_\_\_\_ H2O + \_\_\_\_ PbCl2

6) \_\_\_\_ AlBr3 + \_\_\_\_ K2SO4 🡪 \_\_\_\_ KBr + \_\_\_\_ Al2(SO4)3

7) \_\_\_\_ CH4 + \_\_\_\_ O2 🡪 \_\_\_\_ CO2 + \_\_\_\_ H2O

8) \_\_\_\_ C3H8 + \_\_\_\_ O2 🡪 \_\_\_\_ CO2 + \_\_\_\_ H2O

9) \_\_\_\_ C8H18 + \_\_\_\_ O2 🡪 \_\_\_\_ CO2 + \_\_\_\_ H2O

10) \_\_\_\_ FeCl3 + \_\_\_\_ NaOH 🡪 \_\_\_\_ Fe(OH)3 + \_\_\_\_NaCl

11) \_\_\_\_ HNO3 + \_\_\_\_ NaHCO3 🡪 \_\_\_\_ NaNO3 + \_\_\_\_ H2O + \_\_\_\_ CO2

12) \_\_\_\_ H2SO4 + \_\_\_\_ NaNO2 🡪 \_\_\_\_ HNO2 + \_\_\_\_ Na2SO­4