DPP-10S11

CHEMICAL EQUATION & BALANCING

1. **Write the chemical formula :**
    a) Potassium Bromide
    b) Hydrogen Sulphide
    c) Aluminium Sulphate
    d) Ammonium Phosphate
2. **Convert the following into Equations :**

a) Hydrogen sulphide gas burns in air to give water and sulphur dioxide.

b) Barium chloride reacts with aluminium sulphate to give aluminium chloride and barium sulphate.

c) Potassium bromide + Barium iodide → Potassium iodide + Barium bromide.

d) Potassium metal reacts with water to give potassium hydroxide and hydrogen gas.

3. **Balance the following equations :**
    a) $FeSO_4 \rightarrow Fe_2O_3 + SO_2 + SO_3$
    b) $CH_4 + O_2 \rightarrow CO_2 + H_2O$
    c) $H_2 + N_2 \rightarrow NH_3$
    d) $Fe + H_2O \rightarrow Fe_3O_4 + H_2$