1. Aluminum metal reacts with aqueous zinc chloride to produce zinc metal and aqueous aluminum chloride.

Type: ________________________________

2. Iron and sulfur combine and form iron (II) sulfide.

Type: ________________________________

3. Solid diphosphorus pentoxide can be produced from the elements oxygen and phosphorus. (Note: Solid elemental phosphorus contains 4 atoms per molecule; it is written $P_4$.)

Type: ________________________________

4. When solid potassium nitrate is heated, it forms solid potassium nitrite and oxygen gas.

Type: ________________________________

5. When hydrogen sulfide gas is passed over solid hot iron (III) hydroxide, it reacts to form solid iron (III) sulfide and water vapor.

Type: ________________________________