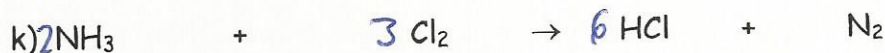
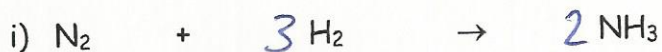
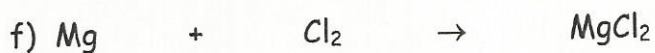
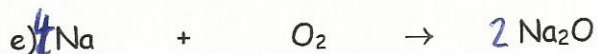
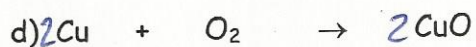
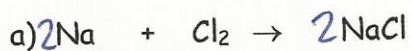
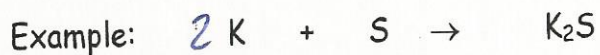


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Science and Technology 404/448
Chemical Equations

1. Balance the following equations.



2. Represent each of the following reactions with a chemical equation and then balance the equation.

Example: Hydrogen gas (H_2) reacts with oxygen gas (O_2) to form water.



a) Copper (Cu) reacts with oxygen (O_2) to produce copper oxide (CuO)



b) Zinc (Zn) reacts with hydrochloric acid (HCl) to produce zinc chloride ($ZnCl_2$) and hydrogen gas (H_2).



c) Sodium (Na) reacts with water to form sodium hydroxide ($NaOH$) and hydrogen gas (H_2).



d) Hydrochloric acid (HCl) reacts with potassium hydroxide (KOH) to form potassium chloride (KCl) and water.



e) Methane (CH_4) is burned in the presence of oxygen (O_2) to produce carbon dioxide (CO_2) and water.



f) Propane (C_3H_8) reacts with oxygen gas (O_2) to produce carbon dioxide gas (CO_2) and water.

