

Science 10 Reaction Review Worksheet

For each of the following:

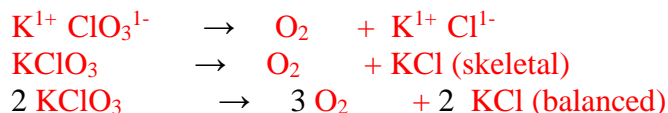
A. Identify the type of Reaction

B. Write skeleton equations

C. Balance the skeletal equations

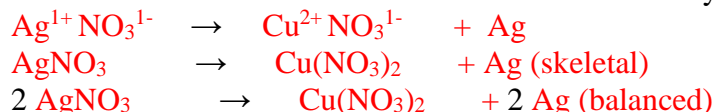
1. potassium chlorate → oxygen + potassium chloride

Type of reaction: decomposition



2. Silver nitrate + copper → copper (II) nitrate + silver

Type of reaction: single replacement



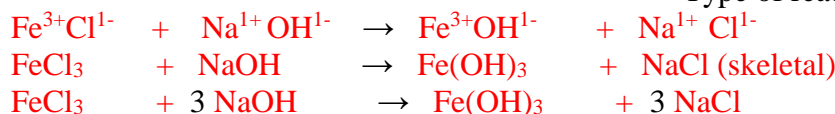
3. Propane (C<sub>3</sub>H<sub>8</sub>) + oxygen → carbon dioxide + water

Type of reaction: complete combustion



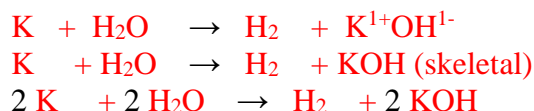
4. Iron (III) chloride + sodium hydroxide → iron (III) hydroxide + sodium chloride

Type of reaction: double replacement



5. Potassium + water → hydrogen + potassium hydroxide

Type of reaction: single replacement



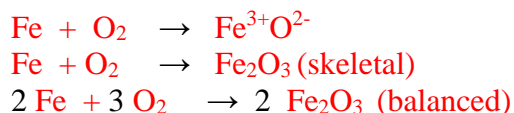
6. sulfur trioxide + water → sulfuric acid (H<sub>2</sub>SO<sub>4</sub>)

Type of reaction: synthesis



7. iron + oxygen → iron (III) oxide

Type of reaction: synthesis



8. ethanol (C<sub>2</sub>H<sub>5</sub>OH) + oxygen → carbon dioxide + water vapour

Type of reaction: combustion

