

Science 10 Reaction Review Worksheet

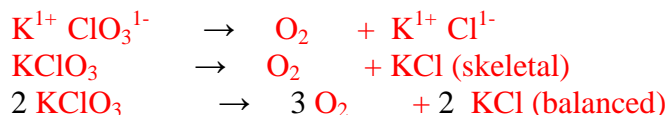
For each of the following:

A. Identify the type of Reaction

B. Write skeleton equations

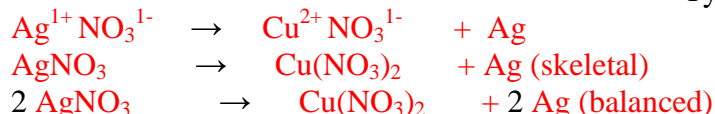
C. Balance the skeletal equations

1. potassium chlorate → oxygen + potassium chloride



Type of reaction: decomposition

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



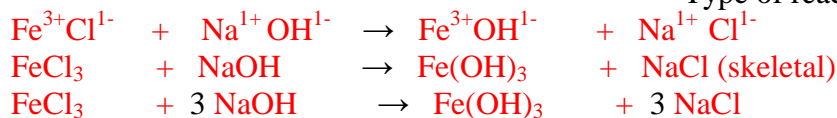
Type of reaction: single replacement

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



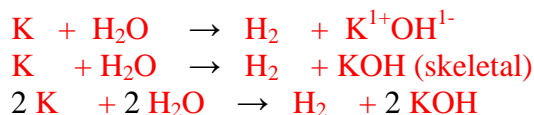
Type of reaction: complete combustion

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



Type of reaction: double replacement

5. Potassium + water → hydrogen + potassium hydroxide



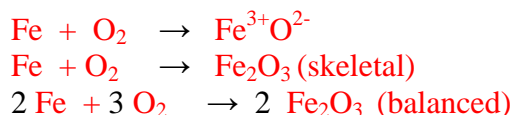
Type of reaction: single replacement

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



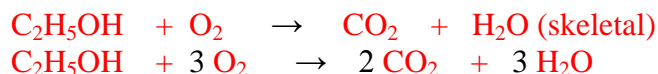
Type of reaction: synthesis

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