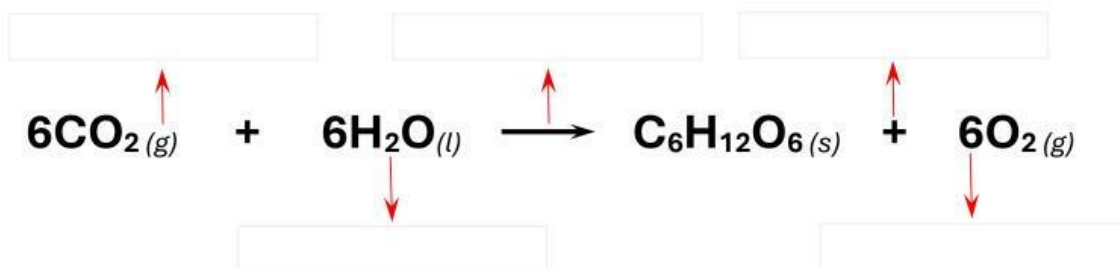


## Review CHAPTER 10

1. Label the components of the Chemical Reaction below by selecting the correct options from the drop-down boxes :



2. Draw a line between the options on the left and the matching options on the right :

Products	Starting Materials
Precipitate	Number of Atoms
Subscript	Number of Molecules
Reactants	Newly formed Substances
Coefficient	Solid that forms in a liquid

3. Identify the type of Chemical Reaction in each of the following scenarios (select only 1 option in each case) :

3.1)  $\text{Na} + \text{Cl} \rightarrow \text{Table salt}$

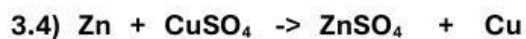
- A) Synthesis
- B) Decomposition
- C) Single Replacement
- D) Double Replacement
- E) Combustion

3.2)  $\text{P}_4 + \text{O}_2 \rightarrow \text{P}_2\text{O}_5$

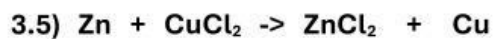
- A) Synthesis
- B) Decomposition
- C) Single Replacement
- D) Double Replacement
- E) Combustion



- A) Synthesis
- B) Decomposition
- C) Single Replacement
- D) Double Replacement
- E) Combustion



- A) Synthesis
- B) Decomposition
- C) Double Replacement
- D) Combustion
- E) Redox



- A) Synthesis
- B) Decomposition
- C) Single Replacement
- D) Double Replacement
- E) Combustion



- A) Synthesis
- B) Decomposition
- C) Single Replacement
- D) Double Replacement
- E) Combustion



- A) Synthesis
- B) Decomposition
- C) Single Replacement
- D) Double Replacement
- E) Combustion

4. Drag and Drop the words from the Word Bank onto the correct places so that the statements below make sense :

gained      reactant      decrease      product      increase      lost

In a Synthesis Reaction, 2 or more reactants are combined into a single \_\_\_\_\_ .

Oxygen is always a \_\_\_\_\_ in a Combustion Reaction.

In a Redox Reaction, the element that undergoes Reduction will have an \_\_\_\_\_ in

Oxidation Number. This means that this element has \_\_\_\_\_ one or more Electrons.

The element that undergoes Oxidation, will have an \_\_\_\_\_ in Oxidation Number.

This means that this element has \_\_\_\_\_ one or more Electrons.

5. Balance the following Chemical Equations (The grading tool unfortunately cannot grade empty spaces, so please do NOT leave any spaces empty ... for the sake of the grading tool, please fill in the "1" in those spaces) :

