

Elements and Compounds

Start time - : End time - :

Provide an example of each type of chemical reaction and describe its significance.

Identify the type of reaction occurring in each of the following equations:

- $Mg + O_2 \rightarrow MgO$
- $HCl + NaOH \rightarrow NaCl + H_2O$ b.
- $2H_2O \rightarrow 2H_2 + O_2$

Discuss why it is important to understand the different types of chemical reactions in chemistry.

Choose the correct answer.

- What is the general form of a synthesis reaction?
 - i. $A + B \rightarrow A$
- ii. $AB \rightarrow A + B$
- iii. $A + B \rightarrow C + D$ iv. $AB + CD \rightarrow AD + BC$
- b. What type of reaction is represented by the equation: $2Na + Cl_2 \rightarrow$ 2NaCl?
 - i. Synthesis

- ii. Decomposition
- iii. Single Replacement iv. Double Replacement

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