

Question list

1. Describe what is meant by 'products' in a chemical reaction and provide an example using magnesium and oxygen.
 - ☐ Products are the initial substances in a reaction; magnesium and oxygen are examples of products.
 - ☐ Products are the substances that are consumed in a reaction; for instance, magnesium and oxygen are products when magnesium burns.
 - ☐ Products are the new substances formed as a result of a chemical reaction; for example, magnesium oxide is formed when magnesium burns in oxygen.
 - ☐ Products are the catalysts that speed up a reaction; magnesium oxide is a catalyst in the reaction between magnesium and oxygen.
2. When a strip of magnesium metal is touched to a flame, a bright light and a whitish substance are produced. Why is the burning of magnesium considered a chemical change?
 - ☐ because the metal reaches a high temperature
 - ☐ because a new substance is formed
 - ☐ because the metal is malleable
 - ☐ because the metal begins to melt
3. Describe the significance of using a word equation in chemistry.
 - ☐ A word equation shows the molecular structure of the products.
 - ☐ A word equation is used to calculate the mass of reactants needed.
 - ☐ A word equation provides a clear and simple way to communicate the substances involved in a chemical reaction.
 - ☐ A word equation indicates the temperature at which a reaction occurs.

