

Assignment

1. What are the significance of balancing a chemical equation?

Ans → A chemical equation needs to be balanced so as to make the number of atoms of the reactants equal to the number of atoms of the products. A balanced chemical equation is a word

erful way of representing a lot of information in a concise manner. It shows which substances are taking part in a chemical reaction and what products are obtained as a result of it. It shows both the number of molecules and the number of atoms involved in the reaction. It makes the study of chemistry universally standardised.

2. State law of conservation of mass.

Ans → The atoms themselves are neither created nor destroyed during the course of a chemical reaction. ~~This is~~ but in a chemical reaction the atoms rearrange themselves. This is the law of conservation of mass.

3. Balance the following equations:

