

Chemistry - 10th Class Chemistry English Medium Chapter 9 Preparation

Q1. Why at equilibrium state reaction does not stop ?

Ans 1: It is because the forward reaction take place at the same reaction as of reverse but in opposite direction . So reactants convert into product and products into reactants

Q2. What us state equilibrium .explain with example

Ans 1: When reactions ceases to proceed it is called static equilibrium

Ans 2: Example : A building remains standing rather than falling down because of all of forces acting upon it are balanced

Q3. Write down the uses of nitrogen .

Ans 1: These gases are being used to manufacture chemicals since the advent of 20th century

Ans 2: Nitrogen is used to prepare ammonia, which is further used to manufacture nitrogenous fertilizer

Q4. What are irreversible reaction?

Ans 1: The reactions in which the product do not recombine to form the reactants.

Q5. How can you know that a reaction has achieved an equilibrium state ?

Ans 1: By knowing the value of K_c we can predict the equilibrium state . If the value of Q_c is equal to K_c then indicate that a reaction has achieved an equilibrium state

Q6. What is law of mass action?

Ans 1: The rate at which a substance react is directly proportional to active mass and the rate of reaction is directly proportional to the product of the active masses of the reacting substance.

Q7. Give the characteristics of reversible reaction

Ans 1: The reactions in which products recombine to product the reactants are called reversible reactions

Ans 2: Presentation :
1: Forward direction

2: Reverse direction

Ans 3: Completion :
They never go to completion

Q8. Why the reversible reactions do not go to completion ?

Ans 1: It is because in reversible reactions products re-combine to form the reactants in a same rate as the reactants from the product

Q9. Write down the use of oxygen .

Ans 1: Oxygen is used to prepare sulphur dioxide which is further used to manufacture king of chemicals sulphuric acid

Q10. Write down the use of oxygen?

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