

Chemistry (New Book) - 9th Class Chemistry English Medium Chapter 5 Preparation

Q1. What do you know about chemical energy.

Ans 1: The energy stored in a molecule in which atoms are bonded to each other is called chemical energy.

Q2. Are energy diagrams useful.

Ans 1: Energy diagrams are useful because it gives us immediate answer about energy changes happening in a reaction.

Q3. What is meant by system.

Ans 1: Any physical or chemical change under study is called system.

Q4. Differentiate between endothermic and exothermic reaction.

Ans 1: Exothermic reaction:

If a reaction is accompanied with the evolution of heat it is called an exothermic reaction. Enthalpy of these reactions are represented by negative sign.

Endothermic reaction

If heat is absorbed during a reaction it is called an endothermic reaction. Enthalpy of these reactions are represented by positive sign.

Q5. What is the role of glycogen in our body.

Ans 1: Glycogen is primary storage form of glucose. It is stored in liver and muscle. It helps to regulate blood sugar level in our body.

Q6. Does boiling water in a beaker endothermic or exothermic change? Which form of energy is being transferred in this system.

Ans 1: Boiling water in a beaker is an endothermic reaction. Heat energy is transferred in this system.

Q7. Can we use energy evolved during a chemical reaction.

Ans 1: Energy evolved during a chemical reaction is used in everyday for cooking, heating, lighting, transportation, communication, entertainment and much more.

Q8. Can energy be transferred in a form other than heat during a chemical reaction.

Ans 1: Yes energy can be transferred in other than heat during a chemical reaction such as light electricity or mechanical

Q9. What is the role of glycogen in our body.

Ans 1: The glycogen is the primary storage form of glucose. It serves as a source of carbohydrates in the body. It serves as an energy reservoir.

Q10. Does boiling water in a beaker endothermic or exothermic change? Which form of energy is being transferred in this system.

Ans 1: Boiling water in a beaker is endothermic because it absorbs energy from surrounding
Form of Energy: The form of energy is transferred in thermal energy.
