

General Science - 9th Class General Science English Medium Chapter 3 Preparation

Q1. Define Genetic engineering.

Ans 1: Genetic engineering is a set of techniques to transfer genes from one organism to another. Individual genes can be cut off from the cells of one organism and inserted into the cells of another. The genes from different sources can be combined in a test tube and then transferred into living cells. This technique is called genetic engineering.

Q2. What is recycling.

Ans 1: To produce new products from useless wastes or rubbish.

Q3. What is Genetic engineering

Ans 1: A technique to transfer genes from one organism to another.

Q4. Define Genome

Ans 1: All the genes present in a cell

Q5. What is antibiotics

Ans 1: Chemical compound obtained from microorganisms and used to control infectious diseases caused by bacteria.

Q6. Define Catabolism.

Ans 1: Catabolism is degradative metabolism in which complex organic molecules are broken down into simple molecules. These reactions release energy which is used in many biological processes.

Ans 2: Example: respiration is an example of catabolism in which organisms break down larger organic molecules into simpler ones to release energy.

Q7. Define Co enzymes.

Ans 1: Some enzymes need other compounds to complete catabolic reactions. These are called coenzymes. Coenzymes are non-protein substances.

Q8. Write the names of three main types of cells in blood.

Ans 1: There are three types of blood cells.

Ans 2: 1- Red blood cells

Ans 3: 2- White blood cells

Ans 4: 3- Platelets

Q9. Define fatty acids.

Ans 1: Organic acids having hydrocarbon chain and released on hydrolysis of fat.

Q10. Write the importance of recycling.

Ans 1: 1- Reduction in rubbish to control environmental pollution.

Ans 2: 2- Conservation of raw materials and natural resources.

Ans 3: 3- Treatment of sewage saves water which is scarce in many parts of world.

Ans 4: 4- Recycling saves energy and money
