

Secondary Level

Science and Technology

Chapter 22: Life Processes -1 Nutrition, Transportation, Respiration and Excretion

1. For the healthy growth and development of the body you need to eat food that provides enough essential nutrients. Why? justify the statement
2. List down the raw materials for photosynthesis? Mention the role of stomata play in photosynthesis
3. Write down the nutritional disorder or diseases which occur in children due to lack of adequate and balanced diet.
4. Name the enzymes and acids that take part in the digestion process?
5. Collect some of the food items from your kitchen eg. Cereals, Pulses, black pepper and coriander seeds and check the common adulterants in each of these items.
6. Draw a diagram of human heart and label any six parts and also name the blood vessel that brings oxygenated blood to the human heart
7. List the three kinds of blood vessels of human circulatory system and write their functions.
8. State that how respiration in plants is different from respiration in animals?
9. Draw the labeled diagram of the human excretory system also mention the mechanism of excretion and the function of kidneys?
10. Give the schematic representation of gaseous exchange in tissues. Compare the functioning of alveoli in the lungs and nephrons in the kidneys with respect to their structures?
11. Write a note on (a)Dialysis (b) Blood groups and transfusion