

Practice Sheet

Chapter: 6th

Life process

- Q1: What are the differences between autotrophic nutrition and heterotrophic nutrition?
- Q2: How is oxygen and carbon dioxide transported in human beings?
- Q3: What are the components of the transport system in highly organised plants?
- Q4: Describe the structure and functioning of nephrons.
- Q5: How are the alveoli designed to maximise the exchange of gases?
- Q6: Compare the functioning of alveoli in the lungs and nephrons in the kidneys with respect to their structure and functioning.
- Q7: Explain the process of breakdown of glucose in a cell
- (a) in the presence of oxygen,
 - (b) in the absence of oxygen.
- Q8: Draw a diagram of the front view of human heart and label any six parts including at least two, that are concerned with arterial blood supply to the heart muscles.
- Q9: The opening and closing of the stomatal pore depend upon
- (a) oxygen
 - (b) temperature
 - (c) water in guard cells
 - (d) concentration of CO₂ in stomata