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**CBSE TEST PAPER-02**

**Class – X Science (Life Processes)**

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1. Which of the following statements about the autotrophs is incorrect? [1]
  - a) They store carbohydrates in the form of starch.
  - b) They constitute the first trophic level in food chains.
  - c) They convert CO<sub>2</sub> and water into carbohydrates in the absence of sunlight
  - d) They synthesize carbohydrates from CO<sub>2</sub> and water in the presence of sunlight & chlorophyll.
2. Which of these is not a part of the small intestine? [1]
  - a) Duodenum                      b) Jejunum
  - c) Ileum                          d) Rectum
3. During contraction of heart, what prevents backflow of blood? [1]
  - a) Thin walls of atria              b) Thick muscular walls of ventricles
  - c) Valves in heart                  d) All of the above
4. Name excretory organ in amoeba and earthworm [1]
5. Name the plant tissue through which water and minerals are transported in plants [1]
6. What are the two stages in photosynthesis? [2]
7. What is the difference between arteries & veins? [2]
8. What is villi? What are its functions? [2]
9. What type of respiration takes place in human muscles during vigorous exercise and why? [2]
10. What is "translocation"? Why it is essential for plants. [3]
11. How respiration does takes place in plants? [3]
12. How is transpiration pull responsible for upward movement of water? [3]
13. Discuss the major steps involved in process of nutrition in human beings. [3]
14. With the help of a labelled diagram of human excretory system, Mention its important part and explain them. [5]