



8. Why do we get instant energy from glucose?

Answer: Because it easily breaks down in the cell with the help of oxygen which provides instant energy to the organism. Glucose does not need digestion, it is directly absorbed into the blood.

9. Which part of the digestive canal is involved in:

- (i) Absorption of food _____ .
- (ii) Chewing of food _____ .
- (iii) Killing of bacteria _____ .
- (iv) Complete digestion of food _____ .
- (v) Formation of faeces _____ .

Answer: (i) Small intestine (ii) Mouth (iii) Stomach (iv) Small intestine (v) Large intestine

10. Write one similarity and one difference between the nutrition in amoeba and human beings.

Answer:

Similarity: The digestive juices in amoeba are secreted into food vacuole and in human beings the digestive juices are secreted in stomach and small intestine. Then the juices convert complex food into simpler soluble and absorbable substances.

Difference: Amoeba captures the food with help of pseudopodia and engulf it. In human beings food is taken by the mouth.

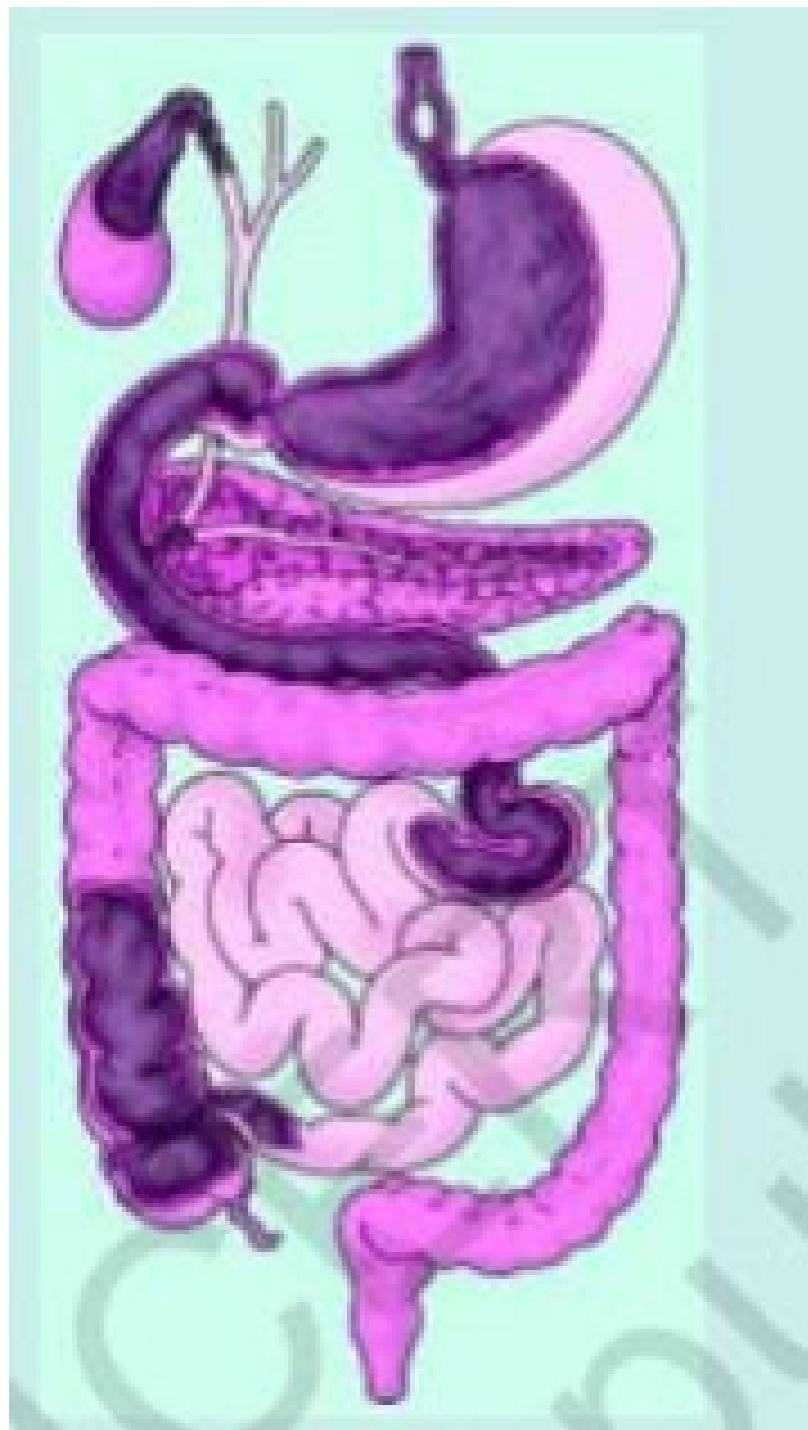
11. Match the items of Column I with suitable items in Column II.

Column I	Column II
(a) Salivary gland	(i) Bile juice secretion
(b) Stomach	(ii) Storage of undigested food
(c) Liver	(iii) Saliva secretion
(d) Rectum	(iv) Acid release
(e) Small intestine	(v) Digestion is completed
(f) Large intestine	(vi) Absorption of water
-	(vii) Release of faeces

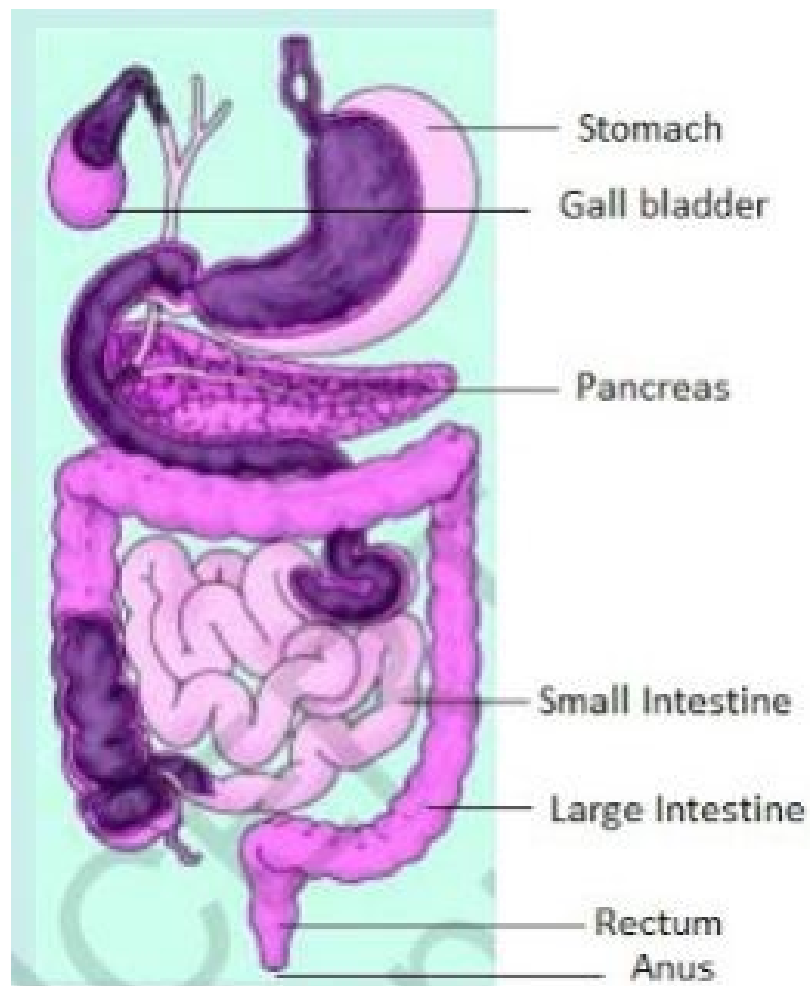
Answer:

Column I	Column II
(a) Salivary gland	(iii) Saliva secretion
(b) Stomach	(iv) Acid release
(c) Liver	(i) Bile juice secretion
(d) Rectum	(ii) Storage of undigested food
(e) Small intestine	(v) Digestion is completed
(f) Large intestine	(vi) Absorption of water

12. Label Fig. 2.11 of the digestive system (as given in the NCERT Textbook Exercise)



Answer:



13. Can we survive only on raw, leafy vegetables/grass? Discuss.

Answer: We know that the animals, fungi, bacteria, non-green plants and human being do not have the ability to make their own food. They depend upon autotrophs for their food directly or indirectly. The green plant (leafy vegetables/grass) trap solar energy and make their own food in the form of glucose. So, we can say that leafy vegetables and grass can provide sufficient energy to help us survive.

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