

## Chapter-2

### Worksheet-1

1. Name the following:
  - (a) It secretes pepsin.
  - (b) They are building blocks of proteins.
  - (c) It protects the lining of the stomach.
  - (d) It secretes pancreatic juice.
2. Name the parts of the alimentary canal where
  - (a) Digested food gets absorbed
  - (b) Taste of the food is perceived
3. The finger-like outgrowths of Amoeba helps to ingest food. However, the finger-like outgrowths of human intestine helps to
  - (a) digest the fatty food substances
  - (b) make the food soluble
  - (c) absorb the digested food
  - (d) absorb the undigested food
4. The false feet of Amoeba are used for
  - (a) movement only
  - (b) capture of food only
  - (c) capture of food and movement
  - (d) exchange of gases only
5. Read the following statements with reference to the villi of small intestine.

- (i) They have very thin walls.
- (ii) They have a network of thin and small blood vessels close to the surface.
- (iii) They have small pores through which food can easily pass.
- (iv) They are finger-like projections.

Identify those statements which enable the villi to absorb digested food.

- (a) (i), (ii) and (iv)
- (b) (ii), (iii) and (iv)
- (c) (iii) and (iv)
- (d) (i) and (iv)

6. The absorption of nutrients or food components in its simpler form takes place in

- (a) blood vessels of small intestine wall
- (b) large intestine wall
- (c) gall bladder
- (d) liver

7. The bile helps in the breakdown of \_\_\_\_\_.

8. The digested food moves from the stomach to the \_\_\_\_\_.

9. The digestive juice that begins the digestion of carbohydrate is \_\_\_\_\_.

10. Cud is the name given to the food of ruminants which is

- (a) swallowed and undigested
- (b) swallowed and partially digested
- (c) properly chewed and partially digested

(d) properly chewed and completely digested

11. Explain how the digestion of cellulose occurs in grass eating animals.
12. Briefly describe the process of digestion in Amoeba with the help of labelled diagram.
13. Label the given figure as directed below in A to D and give the name of each type of teeth.
  - (a) The cutting and biting teeth as A
  - (b) The piercing and tearing teeth as B
  - (c) The grinding and chewing teeth as C
  - (d) The grinding teeth present only in adult as D



14. Alimentary canal is different from digestive system. Comment.
15. Gastric glands in stomach release hydrochloric acid, enzyme pepsin and mucus. What will happen if mucus is not secreted by the gastric glands?

16. Write the difference between milk teeth and permanent teeth.

17. 'A' got her gall bladder removed surgically as she was diagnosed with stones in her gall bladder. After the surgery, she faced problems in digestion of certain food items when consumed in bulk. Can you tell which kind of food items would they be and why?

After surgical removal of gall bladder, 'A' would face problems in digestion of fat and fatty substances when consumed in bulk. This is because the bile juice stored in the gall bladder helps in digestion of fats.

18. Discuss the various associated glands of digestive system and their role in digestion.

19. Name the various components of food and their simpler forms.

20. The long structure of small intestine is accommodated in small space within our body. Comment.