

BCM SCHOOL BASANT AVENUE DUGRI ROAD LUDHIANA

Class VII Science

Answer Key

Case Study 1

- a) The canal can be divided into 6 compartments i.e.(1) buccal cavity, (2) oesophagus, (3) stomach, (4) small intestine, (5) large intestine and (6) the anus
- b) Glands such as salivary glands, the liver and the pancreas are associated with the canal.
- c) Liver

Case Study 2

- a) Hydrochloric acid
- b) Hydrochloric acid is produced in our stomach which helps in digestion. However, when too much of acid produces, it causes indigestion. Antacid tablet contains base. When a tablet is taken, the base neutralise the effect of acid and gives relief from the problem of acidity.
- c) No, drinking lemon water during indigestion will not give relief because lemon juice is acidic in nature. Drinking lemonade may worsen the condition of indigestion.

Answer the following

1. In test tube A, blue black colour appeared because of presence of starch. In test tube S, colour of iodine will not change because of digestion of starch into sugars by the action of saliva in our mouth.
2. 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.
3. Turmeric stain on white shirt is turned to red when it is washed with soap because the soap solution is basic in nature.
4. Wasp sting inject a liquid in the skin which is acidic in nature. Hence, baking soda is the appropriate remedy as it is basic in nature and neutralises the acid.