

BCM SCHOOL BASANT AVENUE DUGRI ROAD LUDHIANA

CLASS VII

SUBJECT-SCIENCE

JULY ASSIGNMENT

Answer Key

1. B. Liver

C. Small intestine

D. Pancreas

2. C. Use litmus paper

3. A. Both Assertion and Reason are true, and Reason is the correct explanation of Assertion.

4. D — A is false (turmeric changes color in base, not acid), R is true.

5. Without enough saliva, digestion of starch (carbohydrates) in the food will not begin in the mouth, making digestion slower and less efficient.

6. Curd is acidic. Acids react with metals and can cause corrosion or damage to the bowl.

7. The mouth is where digestion begins. Teeth break the food into smaller pieces (mechanical digestion) and saliva contains amylase, which starts breaking down starch into sugars (chemical digestion).

8. Soap solution is basic in nature. Turmeric turns red in base, so this color change confirms the presence of a base.

9. Case Study

Q1 Vinegar would react with the marble and damage its surface as it contains acetic acid.

Q2 Lemon juice damages marble but not tiles because marble is made up of calcium carbonate-based stone, which is a base. When citric acid in lemon juice

reacts with calcium carbonate with causes discoloration. Whereas tiles, typically made of ceramic, which is not reactive with acids.

10. Questions Based on Diagram:

Q1. (a) Liver

(b) Stomach

(c) Pancreas

(d) Gallbladder

Q2. The pancreas produces digestive enzymes that help in breaking down carbohydrates, proteins, and fats in the small intestine.

Q3. Gall bladder