

CHAPTER-2 | Exploring Substances Acidic, Basic and Neutral

QUIZ
PART-02

1. Which group contains acidic substances?

- A. Group A
- B. Group B
- C. Group C
- D. All groups (A)

Explanation : Group A includes acidic substances such as lemon juice, amla juice, tamarind water, and vinegar.

2. Which of the following is classified as a basic substance?

- A. Vinegar
- B. Lemon juice
- C. Soap solution
- D. Sugar solution (C)

Explanation : Soap solution is listed under basic substances.

3. Which substance is classified as neutral in nature?

- A. Lime water
- B. Baking soda solution
- C. Tap water
- D. Washing powder solution (C)

Explanation : Tap water is included in the list of neutral substances.

4. What type of indicator is litmus?

- A. Synthetic indicator
- B. Artificial indicator
- C. Natural acid-base indicator
- D. Universal indicator (C)

Explanation : Litmus is described as a natural acid-base indicator.

5. From which organisms is litmus obtained?

- A. Algae only
- B. Fungi only
- C. Bacteria
- D. Lichens (D)

Explanation : Litmus is obtained from lichens, which are a combination of fungus and alga.

6. Substances that taste sour are usually _____ in nature.

- A. Basic
- B. Neutral
- C. Acidic
- D. Salty (C)

Explanation : Sour-tasting substances generally contain acids and are acidic in nature.

7. Which acid is present in vinegar?

- A. Citric acid
- B. Lactic acid
- C. Acetic acid
- D. Tartaric acid (C)

Explanation : Vinegar contains acetic acid.

8. Which acid is present in curd or yoghurt?

- A. Citric acid
- B. Lactic acid
- C. Oxalic acid
- D. Tartaric acid (B)

Explanation : Curd or yoghurt contains lactic acid.

9. Which statement about basic substances is correct?

- A. They taste sour
- B. They are slippery to touch
- C. They do not affect taste
- D. They are always acidic (B)

Explanation : Basic substances are generally slippery to touch and taste bitter.

10. Bitter gourd tastes bitter but is classified as _____.

- A. Acidic
- B. Basic
- C. Neutral
- D. Salty (C)

Explanation : Even though bitter gourd tastes bitter, it is not basic in nature.