

CHAPTER-2 | Exploring Substances Acidic, Basic and Neutral

QUIZ
PART-04

1. Which part of turmeric is used to prepare the turmeric indicator?

- A. Turmeric leaves
- B. Turmeric flower
- C. Turmeric paste
- D. Turmeric stem (C)

Explanation : Turmeric paste is used to prepare turmeric paper strips that act as an indicator.

2. Turmeric indicator is mainly used to identify which type of substances?

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

Explanation : Turmeric indicator is useful for testing basic substances.

3. What colour change is observed when a basic solution is added to turmeric paper?

- A. Yellow to green
- B. Yellow to red
- C. Yellow to blue
- D. No change (B)

Explanation : When a basic solution is added, turmeric paper turns red.

4. What happens to turmeric paper when an acidic solution is added?

- A. It turns red
- B. It turns green
- C. It turns blue
- D. There is no change in colour (D)

Explanation : Turmeric paper does not show any colour change with acidic solutions.

5. Which of the following statements about turmeric indicator is correct?

- A. It can identify acids and bases clearly
- B. It changes colour in both acids and bases
- C. It can differentiate between acidic and neutral substances
- D. It cannot differentiate between acidic and neutral substances (D)

Explanation : Turmeric indicator does not show any colour change with acidic or neutral substances.

6. Which colour does turmeric paper show before adding any solution?

- A. Red
- B. Green
- C. Yellow
- D. Blue (C)

Explanation : Turmeric paper is naturally yellow in colour.

7. Substances whose odour changes in acidic or basic medium are called _____.

- A. Natural indicators
- B. Universal indicators
- C. Olfactory indicators
- D. Synthetic indicators (C)

Explanation : Olfactory indicators are substances whose smell changes in acidic or basic conditions.

8. What happens to the smell of onion in the presence of a basic substance?

- A. It becomes stronger
- B. It changes to sweet smell
- C. It fades
- D. It becomes acidic (C)

Explanation : The odour of onion fades when a basic substance is present.

9. What happens to the smell of onion in an acidic substance?

- A. It fades completely
- B. It becomes bitter
- C. It changes colour
- D. It remains unchanged (D)

Explanation : In acidic substances, the smell of onion remains unchanged.

10. Why does a curry stain turn reddish-brown when soap is applied?

- A. Soap is acidic
- B. Soap is neutral
- C. Soap is basic
- D. Soap is oily (C)

Explanation : Soap is basic, and turmeric present in curry changes colour in the presence of a base.