

Chapter-2

Worksheet-2



Q 1. A solution changes the colour of turmeric indicator from yellow to red. The solution is

- (a) Basic
- (b) Acidic
- (c) Neutral
- (d) Either neutral or acidic

Q 2. Which of the following set of substances contain acids?

- (a) Grapes, lime water
- (b) Vinegar, soap
- (c) Curd, milk of magnesia
- (d) Curd, vinegar

Q 3. On adding phenolphthalein indicator to a colourless solution, no change is observed. What is the nature of this solution?

- (a) Basic
- (b) Either acidic or basic
- (c) Either acidic or neutral
- (d) Either basic or neutral

Q 4. Which of the following is an acid-base indicator?

- (a) Vinegar
- (b) Lime water
- (c) Turmeric
- (d) Baking soda

Q 5: Which one of the following is acidic?

- (a) Lemon juice
- (b) Tomatoes
- (c) Milk
- (d) All of these

Q 6: Which is not a property of acids?

- (a) Acids turn red litmus blue
- (b) These are sour to taste
- (c) Acids turn blue litmus red
- (d) With China rose indicator, these give dark pink colour

Q 7: Which is not a property of bases?

- (a) These are bitter to taste
- (b) Bases do not change the colour of blue litmus
- (c) Bases do not change the colour of red litmus
- (d) Bases turn the colour of turmeric indicator to red

Q. 8: The nature of calcium phosphate present in tooth enamel is:

- (a) Basic
- (b) Amphoteric
- (c) Acidic

(d) Neutral

Q. 9: Methyl orange is:

- (a) Red in acidic medium, yellow in basic medium
- (b) Yellow in acidic medium, pink in basic medium
- (c) Colourless in acidic medium, pink in basic medium
- (d) Pink in acidic medium, colourless in basic medium

Q. 10: A solution changes the colour of turmeric indicator from yellow to red. The solution is:

- (a) Basic
- (b) Acidic
- (c) Neutral
- (d) Either neutral or acidic

Q 11. Write two uses of the following.

- (a) Calcium hydroxide
- (b) Sodium hydroxide

Q 12. Why is carbonic acid added to soft drinks?

Q 13. What is acid rain?

Q 14. . Paheli is suffering from indigestion due to acidity. Is it advisable to give her orange juice in this situation and why?

Q 15. Does an acidic solution conduct electricity?

Q 16. Name three organic acids which are used by us as food ingredients.

Q 17. Why is carbonic acid added to soft drinks?

Q 18. . Why should we take great care while handling acids and bases?

Q 19. A farmer was unhappy because of his low crop yield. He discussed the problem with an agricultural scientist and realised that the soil of his field was either too acidic or too basic. What remedy would you suggest the farmer to neutralise the soil?

Q 20. If you are given a colourless liquid, how will you find out if it is an acid or a base without tasting it?