

## CHEMISTRY

## Acids, Bases and Salts

**Q1** Which among the following is not a natural indicator?

- (A) China rose solution
- (B) Turmeric solution
- (C) Litmus solution
- ☒ (D) Methyl orange

**Q2** Which among the following changes odour in basic medium?

- (A) Phenolphthalein
- (B) Methyl orange
- (C) Litmus solution
- ☒ (D) Clove oil

**Q3** Two strips of blue litmus paper are taken. One is dipped in lemon juice and the other in distilled

water. So, the final colour of the two strips will be:

- (A) Red, Red
- (B) Blue, Red
- (C) Blue, Blue
- ☒ (D) Red, Blue

**Q4** Tasting or touching is the best way to identify an acid or a base.

- (A) True
- ☒ (B) False

**Q5** Methyl orange turns yellow in the basic medium.

- ☒ (A) True
- (B) False

**Q6** Flowers of hydrangea turn pink in basic medium.

- ☒ (A) True
- (B) False



## Answer Key

Q1 (D)

Q2 (D)

Q3 (D)

Q4 false

Q5 true

Q6 true



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## Hints & Solutions

**Q1 Text Solution:**

methyl orange as it is synthesized in lab

**Video Solution:****Q2 Text Solution:**

clove oil it is one of the example of olfactory indicator.

**Video Solution:****Q3 Text Solution:**

Lemon juice is acidic, it turns the blue litmus into red. Distilled water is neutral, hence, it will not change the color of the blue litmus.

**Video Solution:****Q4 Text Solution:**

Acids and bases are corrosive in nature. It is never advised to identify an acid or a base by touching or tasting.

**Video Solution:****Q5 Text Solution:**

Methyl orange turns yellow in the basic medium and red in the acidic medium.

**Video Solution:****Q6 Text Solution:**

Flowers of hydrangea turn pink in basic medium and blue in acidic medium.

**Video Solution:**[Android App](#)[iOS App](#)[PW Website](#)