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NCERT Class X Science Class: Chapter – 2. Acids, Bases and Salts – Part-1

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Multiple Choice Questions

Question 1:

What happens when a solution of an acid is mixed with a solution of a base in a test tube?

1. The temperature of the solution increases
2. The temperature of the solution decreases
3. The temperature of the solution remains the same
4. Salt formation takes place
5. (i) only
6. (i) and (iii)
7. (ii) and (iii)
8. (i) and (iv)

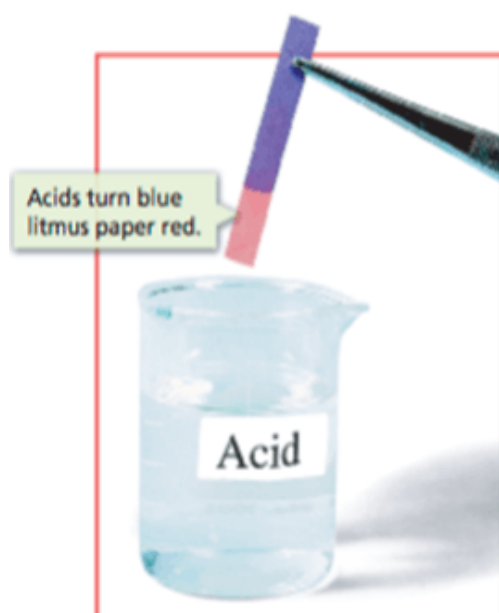
Answer: D

**Question 2:**

An aqueous solution turns red litmus solution blue. Excess addition of which of the following solution would reverse the change?

1. Baking powder
2. Lime
3. Ammonium hydroxide solution
4. Hydrochloric acid

Answer: D

**Question 3:**

During the preparation of hydrogen chloride gas on a humid day, the gas is usually passed through the guard tube containing calcium chloride. The role of calcium chloride taken in the guard tube is to

1. Absorb the evolved gas
2. Moisten the gas
3. Absorb moisture from the gas
4. Absorb Cl^- ions from the evolved gas

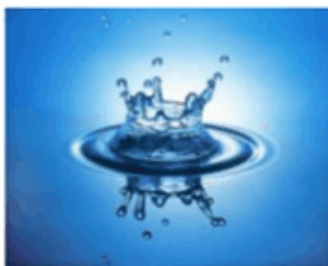
Answer: C

**Question 4:**

Which of the following salts does not contain water of crystallisation?

1. Blue vitriol
2. Baking soda
3. Washing soda
4. Gypsum

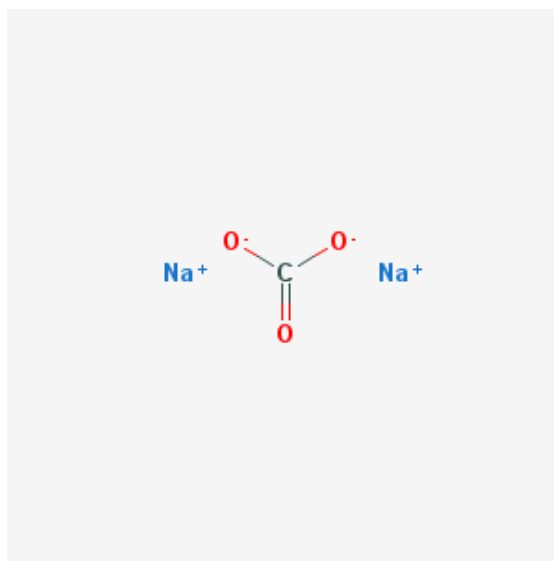
Answer: B

**Question 5:**

Sodium carbonate is a basic salt because it is a salt of

1. Strong acid and strong base
2. Weak acid and weak base
3. Strong acid and weak base
4. Weak acid and strong base

Answer: D

**Question 6:**

Calcium phosphate is present in tooth enamel. Its nature is

1. Basic
2. Acidic
3. Neutral
4. Amphoteric

Answer: A

**Question 7:**

A sample of soil is mixed with water and allowed to settle. The clear supernatant solution turns the pH paper yellowish-orange. Which of the following would change the colour of this pH paper to greenish-blue?

1. Lemon juice
2. Vinegar
3. Common salt
4. An antacid

Answer: D

