

Introduction to Acid, Base, and Salt

Answers

1. The nature of calcium phosphate present in tooth enamel is
a. Basic b. Amphoteric c. Acidic d. Neutral

Answer a

2. Which of the following salts has no water of crystallization?
a. Blue vitriol b. Washing soda c. Baking soda d. Gypsum

Answer c

3. The pH of an HCl solution is 4. What is the molarity of the solution?
a. 4.0 M b. 0.4 M c. 0.0001 M d. 0.001 M

Answer c

4. Which of the following does not form an acidic salt?
a. Phosphoric acid b. Carbonic acid
c. Hydrochloric acid d. Sulfuric acid

Answer b

5. The gas that is released when an acid reacts with a metal carbonate is
a. Carbon dioxide b. Hydrogen c. Oxygen d. Nitrogen

Answer a

6. Two fruits that are rich in citric acid are
a. Lemon and tamarind b. Lemon and orange
c. Orange and tamarind d. Tomato and tamarind

Answer b

7. The acid present in stinging hair of nettle leaves that causes burning pain
a. Citric acid b. Acetic acid c. Tartaric acid d. Methanoic acid

Answer d

8. As the pH value of a solution decreases,
a. Number of OH⁻ ions increases b. Number of H⁺ ions increases
c. Number of H⁺ ions decreases d. Equal number of H⁺ ions and OH⁻ ions

Answer b