

## CHEMISTRY

### ACIDS, BASES & SALTS

**Q1** The salts of a strong acid and weak base are \_\_\_\_\_ with pH value less than \_\_\_\_\_

- (A) basic, 7                      (B) acidic, 7  
(C) acidic, 10                  (D) basic, 10

**Q2** Which among the following is not a salt?

- (A) Copper sulphate  
(B) Sodium chloride  
(C) Sodium hydroxide  
(D) Calcium nitrate

**Q3** Which among the following is the correct common name of NaOH ?

- (A) Caustic potash              (B) Caustic soda  
(C) Baking soda                (D) Washing soda

**Q4** Complete the following table from the given options.

Salt	Nature of Salt	Base	Acid
$CuSO_4$	<i>A</i>	$Cu(OH)_2$	<i>B</i>
<i>C</i>	Basic	$NaOH$	$H_2CO_3$
$NaCl$	<i>D</i>	$NaOH$	$HCl$

(A) A: Neutral, B:  $H_2SO_4$ , C:  $Na_2CO_3$ , D: Neutral

(B) A: Acidic, B:  $H_2SO_4$ , C:  $Na_2CO_3$ , D: Basic

(C) A: Acidic, B:  $H_2SO_4$ , C:  $Na_2CO_3$ , D: Neutral

(D) A: Basic, B:  $H_2SO_4$ , C:  $NaHCO_3$ , D: Neutral

**Q5** Sodium carbonate is a basic salt because it is a salt of:

- (A) strong acid and strong base  
(B) weak acid and weak base  
(C) strong acid and weak base  
(D) weak acid and strong base



## Answer Key

Q1 (B)

Q2 (C)

Q3 (B)

Q4 (C)

Q5 (D)



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# Hints & Solutions

Note: scan the QR code to watch video solution

**Q1 Text Solution:**

Try to think about the pH of salt formed by ammonium hydroxide and hydrochloric acid.

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

Try to identify a base or an acid from the given options.

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

NaOH is used as a drain cleaner. Try to think about its name spoken by common people.

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

A: Acidic, B:  $\text{H}_2\text{SO}_4$ , C:  $\text{Na}_2\text{CO}_3$ , D: Neutral

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

Sodium carbonate is a basic salt because it is formed by the combination of a strong base and a weak acid.

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