

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: H_2SO_4 , C: Na_2CO_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](#)