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Salts are the class of compounds formed by partrally or completely displacing the replaceable hydrogen present of an aird by metallic ions or by group of elements auting as metallic rons.

April Hensen David In sustant

# Types of isalts of a morning of the

1) Audie salts: Neutral (Normal) salts.

A soilt produce by comprete neutralization of an acid by base. is called neutral salt eg. Nacl, Kel, Nagsoy, Kesoy, Mysoy, etc

Salts formed by ndibasic aid or tribasic acid with react with and with with react partially with base.

eg. Nausou, KHSO4, Na2HPO4. etc

Naoh + 1204 -> NaH104 + 420

It turns blue litmus paper into red.

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	(11) Baste salts:
	Salts formed by the partial neutralization
	of a base by an acid.
	eg. Ngcoz, kgpoy, engcoona,
ı	mg (on) ci, ca con) ci, Allonges
١	01/01/01/01/01/01/01/01/01/01/01/01/01/0
	mglome + Hel - mg (on)cl + 420.
	THE HOLD COUNTY OF THE TOTAL OF
	Mixed or double salt
	The salt contain more than one cation
	formed by combination of two mormal salts.
	They lose their identity when dissolves in
	The collection will be a set of the collection o
	eg. & Mohr's salt: - FeSO4. (NH4) 504.6420
	€ Potash alum -> K2504. Al2(304)3.24420.
	© Carnalite → Kcl. Mgcl2. 6420.
	( formed by complex cation or anion)
	The call formed by combination of
	central metal atom or ion with number of
	neutral molecules or anions and their properties
-	remain same eitherin solid or in solution state

Tetra: amine copper sulphate [Cy(NH3)4504]
Potassium ferro cyanide [Kylfelcn)6]

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## Salt Hydrolysis of salt

The phenomenon in which a salt react with water to give either aiddic or basic Solution is calted so salt hydrolysis.

 $B^+A^- + 1/20 \longrightarrow BOH + HA$ Sout base and

If BOH is stronger base then the resulting solution is basic and if HA is stronger acid then the returnsulting solution is aiddic.

during hydrolysis determines the nature of salt solution.

The hydrolysts of salt is classified as: (four types).

17. Hydrolysis of salt of strong and and weak base.

These type of salt like NH4CI, Lusou, Fecis, Luchos) 2, Mgcl2, 2n Sometc on hydrolysts gives strong and and weak base. Strong and get completely ronised but

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	weak base gets partially jonized. In this
	way, the concentration of H+ ion in the
	resulting solution becomes greater than on.
_	Hence the resulting solution & airdic
	Example 100
	NH, CI + 400 - NH40H+ HEI
-	weakbase strong and
	NHUDH - NHUT + on (partially ioni cea)
	HCI -> H+ + CI Ccompletely ionized.
1	. # 1/10 - 1/10
	1) Hydrolysis of salt of weak and and strong base.
	subage rosai has bas jo mineral sately
	The type of salt Mre 12031
	CHIWONA, HLOONA, NAH Was, Etc. on regords
1	give weak aird and strong base.
	reak and gets partidly lonized but
	etrong base gets completely tomzed z
	way the concentration of on 1011
	the resulting solution becomes greater than
	H+ 100. Hence the resulting solution is
	basic.
	France 102
7	Na(02 + 21/20 -> Na0H + 42 CO3
	811.7
	2 NaOH - 2 Na+ + 2017 (completely
	H2 (03 = 2n++ log (weakly fortized)
-	12 mg (ord da)

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an	desperie
4	AD'I

(iii) Hydrolystrof salt of weak aird and weak base:

CM3 COONH4, (HLOO) CA, NH4 CN etc on hydrolysts give weak and and weak base.

If the ionization of acid is greater than base then the resulting solution is acidic.

If the ionization of base is greater than acid then the resulting solution is basic.

If the ionization of acid and base are some then the resulting, solution to neutral

Example:

CM3 COONHY +420 -> CM3 WOOM + NMY OH

weak airch weak base.

cus coon = cus coo + h+

NH404 = NH4+ + ON-

(IV) Hydrolysis of salt of strong and and strong

This type of salt like Nacl, N92504, kNO3, NaNos etc. Is not hydrolysed

	Date
	10 11 11 11 10 1 1 1 1 1 1 1 1 1 1 1 1
	No + + H 000
	NMy + On - NMyOH [Weakly myes]
	nt + c1 ned . (highly rouned.
00400	
	ALL THE R. S. LEWIS CO. P. LEWIS CO. LANS. S. P. S.
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