(iii) ruq lYQ;wfjd vEy dh vfHkfØ;k ,Y;qfefu;e ls djk;h tkrh gS rks ,Y;qfefu;e lYQsV rFkk gkbMªkstu xSl curk gSA

$$2Al + 3H_2SO_4 \longrightarrow Al_2(SO_4)_3 + 3H_2\uparrow$$

(iv) ruq gkbMªksDyksfjd vEy dh vfHkfØ;k ykSg ls djk;h tkrh gS rks Qsjl DyksjkbM curk gS rFkk gkbMªkstu xSl eqDr gksrh gSA

$$3Fe + 6HCl \longrightarrow 3FeCl_2 + 3H_2\uparrow$$

(v) ruq lYQ;wfjd vEy eas lksfM;e dkcksZusV feykrs gS rks lksfM;e lYQsV curk gS rFkk H_2O ,oa CO_2 curs gSA

$$Na_2CO_3 + H_2SO_4 \longrightarrow Na_2SO_4 + H_2O + CO_2\uparrow$$

fofHkUu foy;uksa dk pH eku

foy;u	—	pH eku
vkek'k; jl	—	1
uhcw jl	—	2.5
fljdk	—	3.0
VekVj jl	—	4.1
ilhuk	—	4.5
vEy o"kkZ	—	5.6
is'kkc	—	6
nw/k	—	6.5
'kq) ty	—	7
vkalw	—	7.3
[kwu	—	7.4
fiÙk	—	7.5–7.8
pwuk ty	—	11.0
ykj ¼[kkus ds igys½	—	8
ykj ¼[kkus ds ckn½	—	6
uhcw jl	—	2
jax jfgr is;	—	10
xktj dk jl	—	6
dkWQh	—	5
VekVj dk jl	—	4
uy dk ty	—	8
1 M NaOH	—	14
1 M HCl	—	0
ekuo 'kjhj	—	7.0 ls 7.8
feYd vkWQ eSXuhf'k;k $[Mg(OH)_2]$	—	10.5

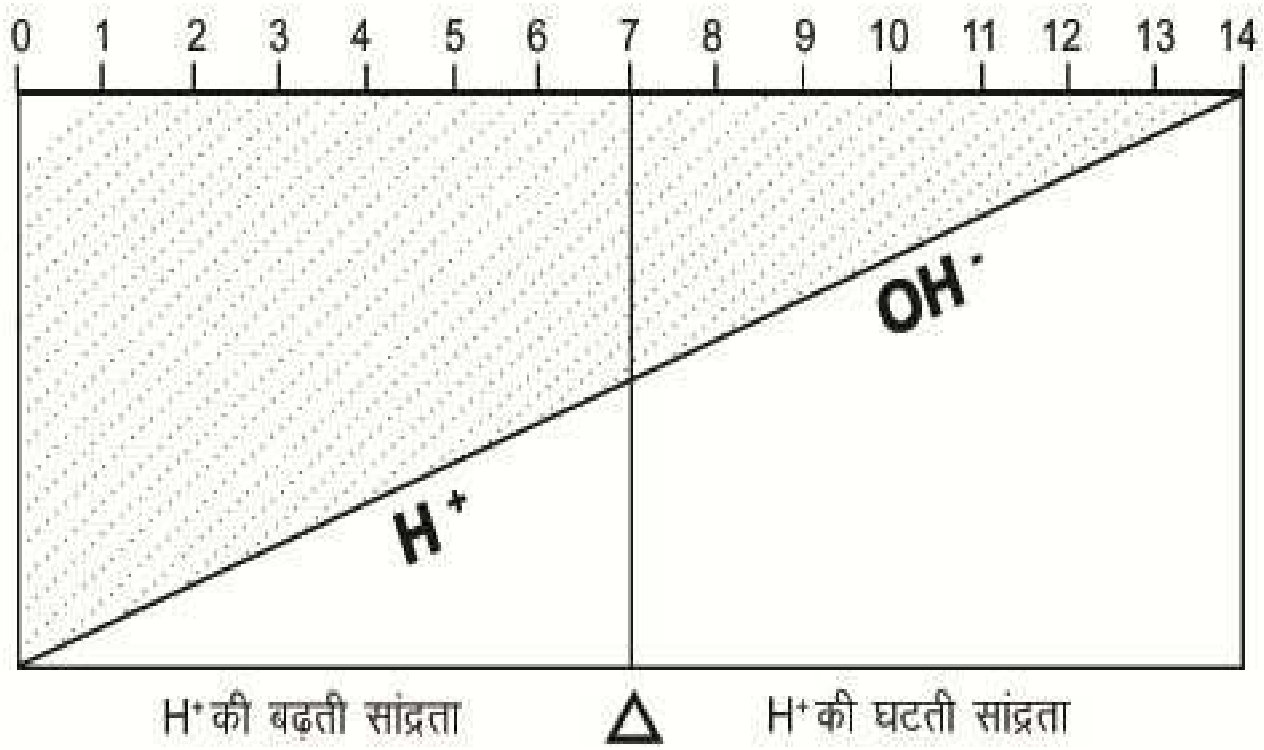
fofHkUu inkFkksZa esa mifLFkr vEy

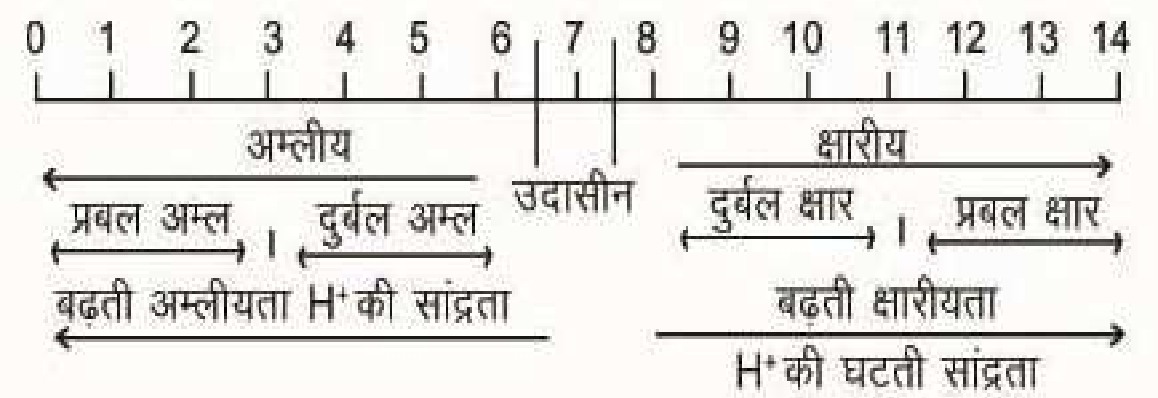
izkÑfrd lzksr	—	vEy
fljdk	—	,lhfVd vEy
lUrjk	—	lkbfVªd vEy
beyh	—	VkVfjd vEy
VekVj	—	vkWDtsfyd vEy
[kV~Vk nw/k ¼ngh½	—	ySfDVd vEy
uhcw	—	lkbfVªd vEy
phVh ¼uVy½ dk Madd	—	eFkuksbd ¼QkfeZd½ vEy
lso	—	eSfyd vEy
ve:n	—	vkWDtsfyd vEy
eD[ku	—	C;qVhfjd vEy
pk;	—	Vsfud vEy
olk	—	LVh;fjd vEy
e/kqeD[kh dk Madd	—	eFkuksbd vEy
I;kt	—	,LdkfcZd vEy

i'u 45- dkcfud vEy vkj vdkcfud vEy e vrj Li"V dj\

mÙkj&dkcfud vEy vkj vdkcfud vEy e fuEufyf[kr vrj g&%

S.No.	dkcfud vEy	vdkcfud vEy
1.	flfVd vEy&bl vEy dk mi;kx [kk| inkFkk d ifjj{k.k vkj Lokfn"Brk d fy, gkrk gA	x/kd dk vEy ;k lY¶;fjd vEy&bl vEy dk mi;kx cVjh] jlk;fud [kkn] iV] fMVj tV] gkbMkDykfjd vEy vkfn d fuek.k e mi;kxh gA
2.	,flfVd vEy&fljdk d :i e vpkj dk [kVVk cuku d dke e vkrk gA	gkbMkDykfjd vEy&ckFk:e lkQ dju] PVC d mRiknu e ç;Dr gkrk gA
3.	VkVfjd vEy&cfdx ikmMj cuku e ç;Dr gkrk gA	ukbfVd vEy&bl vEy dk vi;kx TNT] Mk;ukekbV vkfn foLQkVd d mRiknu e gkrk gA





S.No.		vEyh;	vEyh;
I.	fyVel	yky	uhyk
II.	efFky vkjt	yky	ihyk
III.	fQuky iFkyhu	jxghu	xykch
IV.	gYnh	ihyk	yky&Hkjk
V.	pdUnj	yky&cxuh	ihyk
VI.	yky xkHkh dk irk	yky&cxuh	gjk

46- vky QDVjh lpd D;k g\ mudk uke fy[k\

mÙkj&dN ,sls inkFk gkrs gA ftudh x/k vEyh; rFkk {kkjh; ekè;e esa fHkUu&fHkUu gkrh gA mUgsa vky QDVjh lpd dgrs gA tSls&I;kt] yox dk rsy] ofuyk b=A

jlk;fud l=

(I) lxejej & $CaCO_3$

(II) lkMk ok'k & Na_2CO_3

(III) okfllx lkMk & $Na_2CO_3.10\ H_2O$

(IV) fojtd p.k & $CaOCl_2$

(V) uhyk FkkFkk ¼rfr;k½ & $CuSO_4CO_3.5H_2O$

(VI) cfdx lkMk & $NaHCO_3$

(VII) IykLVj vkQ ifjl & $(CaSO_4)_2.H_2O$;k $CaSO_4.\frac{1}{2}H_2O$

(VIII) dkfLVd ikVkl & KOH

(IX) lkjk & $CaNO_3$

(X) ykfQx xsl & N_2O

(XI) uklknj & Na_4Cl

(XII) yky flUnj & Pb_3O_4

(XIII) yfDVd vEy & $C_3H_6O_3$

(XIV) VkVfjd vEy & $C_4H_6O_6$

(XV) Qkfeld vEy ¼eFkukbd vEy½ & $CH_{42}O_2$

(XVI)	vkDt fyd vEy	&	$C_2H_2O_4$
(XVII)	QkLQkfjd vEy	&	H_3PO_4
(XVIII)	dkcfud vEYy	&	H_2CO_3
(XIX)	,Ldkfcd vEy	&	$C_6H_8O_6$
(XX)	;fjd vEy	&	$C_5H_4N_4O_3$

	jx	PH eku		
(I)	xk<k yky **(Dark Red)**	– **0**	}	vEyh;
(II)	yky **(Red)**	– **1**		
(III)	xgjk yky **(Dark Red)**	– **2**		
(IV)	ukjxh yky **(Orange Red)**	– **4**		
(V)	ukjxh ihyk **(Orange Yellow)**	– **5**		
(VII)	gfjr ihyk **(Greenish Yellow)**	– **6**		
(VIII)	gjk **(Green)**	– **7**	}	mnk lhu
(IX)	gfjr uhyk **(Greenish Blue)**	– **8**	}	{kkjh;
(X)	uhyk **(Blue)**	– **9**		
(XI)	gfjr ihyk **(Navy Blue)**	– **10**		
(XII)	tkeuh **(Purple)**	– **11**		
(XIII)	xk<k tkeuh **(Dark Purple)**	– **12**		
(XIV)	cxuh **(Violet)**	– **13-14**		

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