

(1) Only + 1 oxidation state

(2) Only -1 oxidation state

(3) + 1 and +2 oxidation states

(4) -1 and -2 oxidation states

Daily Practice Problems

JEE CHEMISTRY

Topic: S- Block

				<u></u>						
1.	Correct order of density is – (1) Li > Na (2		is – (2) K > Na			Ionic conductances of hydrated M ⁺ ions are in the order —				
	(3) Mg > Ca		(4) Cs < Rb			(1) $Li^+(aq) > Na^+(aq) > K^+(aq) > Rb^+(aq) > Cs^+(aq)$				
2.	Which is having highest m.p. –					(2) $Li^{+}(aq) > Na^{+}(aq) < K^{+}(aq) < Rb^{+}$			$(aq) < Cs^+(aq)$	
۷.	(1) Be (2) Mg Weak reductant in alkali		(3) Ca (4) Sr			(3) $Li^{+}(aq) > Na^{+}(aq) > K^{+}(aq) > Rb^{+}(aq) < Cs^{+}(aq)$				
			, ,	(1) 01		$ (4) \ Li^{\scriptscriptstyle +}(aq) < Na^{\scriptscriptstyle +}(aq) < K^{\scriptscriptstyle +} \ (aq) < Rb^{\scriptscriptstyle +} \ (aq) < Cs^{\scriptscriptstyle +}(aq) $				
3.	Weak reduction (1) Li	ctant in alkal (2) Na	i metal is — (3) K	(4) Cs	15.	Which of the following halides has the highest me ing point —				
4.	The metal used in photoelectric cell is –					(1) NaCl		(2) KCl		
	(1) Na	(2) K	(3) Mg	(4) Ca		(3) NaBr		(4) NaF		
5.	Lithium chle $(1) C_6H_6$	oride is highl (2) H ₂ O	y soluble in — (3) D _o O	(4) All	16.	Which of the following does not give an oxide on heating –				
6.	Which metal will not for		m suparovida –			(1) $MgCO_3$		(2) Li ₂ CO ₃	i	
0.	(1) Li	(2) Be	(3) Na (4) All			$(3) ZnCO_3$		$(4) K_2 CO_3$		
7.	More stable hydride is –				17.	When heated in steam, Mg burns brilliantly producing –				
	(1) Cs – H		(2) Rb – H			(1) Mg(OH) ₂		(2) MgO and H_2 (4) MgO and O_3		
	(3) K – H (4) Li – H					(3) MgO and	dO_2			
8.	In which compound hydrogen is electronegative – (1) CaH_2 (2) CH_4 (3) HCl (4) All				18.	A blue coloured solution of sodium in liquid NH_3 acts as strong reducing agent, because – (1) of ammoniated sodium				
9.	Be shows diagonal relationship with –									
	(1) Li		(2) Mg			(2) Ammonia dissociates				
	(3) Al		(4) Ba			(3) Sodium nitride is formed				
10.	Which of the following metal will give apple green colour on Busen flame —				19.	(4) of ammoniated electronWhen magnesium ribbon is heated to redness in an				
	(1) Ba (2) Sr					atmosphere of nitrogen and subsequently cooled				
	(3) Ca		(4) K				the gas evol		(1) 00	
11.	The density of –					(1) N ₂	(2) NH ₃	(3) O ₂	$(4) CO_2$	
	•		(2) Na = K	Na = K		The hydration	on energy of	Mg ⁺² is greate	er than that of	
	(3) $K > Na$ (4) $Li > K$				(1) Na+	(2) Be ⁺²	(3) Al^{+3}	(4) All		
12.	Alkali metals salts are –				21.	Alkali metal to the –	l-liquid amm	onia solution	are blue due	
	(1) Diamagnetic and coloured					(1) Solvated	l electron	(2) Solvate	ed proton	
	(2) Diamagnetic and colourless					(3) Sovated	(3) Sovated $\mathrm{NH_2}^-$ ion (4) Solvated			
	(3) Paramagnetic and coloured(4) Paramagnetic and colourless				22.	Molten pota	assium chlor	ide conduct e	electricity due	
13.	Alkali metals show –						to the presence of –			
13.	minaii iiiela	13 31 10W -			1	(1) Fron olog	ctron			

(2) Free ions

(3) Free molecules

(4) Atom of potassium & chloride

23.	which of the following element have maximum ten- dency to form complex compound –						
	(1) Be	(2) Ba	(3) Ca	(4) Mg			
24.	ammonia le	ads to the for	tal in the cur mation of wh (3) NH ₃	ich gas-			
25.	The degree from Li ⁺ to (1) Decrease (3) Remain	Cs+ – e	(2) Increase (4) None of				
26.	(1) Low I.P. (2) Large at	omic size t of atomizati	ents is due to on	_			
27.	The metal r	not found in the (2) Cu	he native state (3) Ag	e is – (4) Au			
28.		ty of Be resen (2) Li, Al		(4) K, Ca			
29.	In barium hy (1) Electro p (3) Neutral	ydride, hydro oositive	gen is — (2) Electro negative (4) None of these				
30.	Sodium reacts with water more vigorously than lithium because it – (1) Has higher atomic weight (2) Is more electronegative (3) Is more electropositve (4) Is a metal						
				ANSWE			

R KEY

Que.	1	2	3	4	5	6	7	8	9	10
Ans.	3	1	2	2	1	4	4	1	3	1
Que.	11	12	13	14	15	16	17	18	19	20
Ans.	1	2	1	4	4	4	2	4	2	1
Que.	21	22	23	24	25	26	27	28	29	30
Ans.	1	2	1	4	1	4	1	1	2	3