

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	CaC ₂ on hydrolysis form	A. CH ₄ B. C ₂ H ₄ C. C ₂ H ₂ D. C ₆ H ₆
2	The chemical formula of chile salt peter is	A. Na ₂ CO ₃ B. KNO ₃ C. NaNO ₃ D. NaNO ₂
3	Lithium reacts with air to form	A. Peroxide B. Normal oxide C. Superoxide D. None of these
4	_____ is called milk of magnesia	A. NaOH B. KOH C. LiOH D. None
5	_____ is used in breathing equipments for mountaineers and in space craft	A. Li ₂ O B. BeO C. N ₂ D. KO ₂
6	The electrolytic cell used for the production of metallic sodium is known as	A. Down's cell B. Solvay's cell C. Haber's cell D. None of these
7	Carbonates of alkali metals dissolves freely in water to form	A. Acidic solutions B. Neutral solution C. Alkaline solution D. None of these
8	NaHCO ₃ is commonly called	A. Soda ash B. Baking soda C. Washing soda D. None of these
9	_____ gives peroxide	A. Li B. Ba C. Sr D. Be
10	Which of the following form normal oxide	A. K B. Li C. Na D. None
11	Which of the following is the hardest metal among following	A. Li B. Na C. Rb D. K
12	Which of the following salt is soluble in water	A. CaCO ₃ B. CaSO ₄ C. MgSO ₄ D. BaSO ₄
13	Alkali metals react violently with halogens to form	A. Hydrides B. Halides C. Anyhydrides D. None of these
14	The formula of lime stone is	A. CaCl ₂ B. MgCO ₃ C. Na ₂ CO ₃ D. CaCO ₃
15	The alkali metals form	A. Ionic bond B. Covalent bond C. Co-ordinate bond D. H-bond

16	The chemical formula of gypsum is	A. $\text{CaSO}_4 \cdot 5\text{H}_2\text{O}$ B. $\text{CaSO}_4 \cdot 4\text{H}_2\text{O}$ C. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ D. None of these
17	Which of all following compound is not possible	
18	On alkali and alkaline earth metals down the group, there is decreasing trend in	A. m.p. B. b.p. C. Ionization potential D. All of these
19	Which carbonate of alkali metals is insoluble in water	A. Na_2CO_3 B. K_2CO_3 C. Li_2CO_3 D. Cs_2CO_3
20	_____ reacts with alkalis to give hydrogen	A. Be B. Mg C. Ca D. None
21	In a group IIA from top to bottom as the atomic number increases, there is regular decreases in	A. Ionic size B. Atomic size C. Ionization potential D. None of these
22	LiOH _____ soluble than NaOH	A. More soluble B. Less soluble C. Equally soluble D. None
23	Which colour is imparted by sodium	A. Yellow B. Violet C. Red D. Crimson
24	The chemical formula of magnesite is	A. MgCl_2 B. $\text{Mg}(\text{HCO}_3)_2$ C. MgCO_3 D. None of these
25	In the earth crust sodium is	A. 2.50% B. 2.30% C. 2.40% D. 3.50%
26	Alkaline earth metals possess two electrons in their outermost	A. F-orbital B. D-orbital C. S-orbital D. P-orbital
27	Which is an essential constituent of chlorophyll	A. Be B. Fe C. Mg D. Ca
28	S-block elements consist of	A. Alkali metals B. Alkaline earth metals C. Alkali and alkaline earth metals D. None of these
29	The maximum number of electrons in the outermost shell of s-block elements is	A. One B. Two C. Three D. Four
30	Potassium superoxide has a use in breathing equipment in space crafts. The balanced equation for the reaction is	