

## ECAT Chemistry Chapter 14 Group IIIA & IVA Elements Online Test

Sr	Questions	Answers Choice
1	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
2	Which carbonate of alkali metals is insoluble in water	A. $\text{Na}_2\text{CO}_3$ B. $\text{K}_2\text{CO}_3$ C. $\text{Li}_2\text{CO}_3$ D. $\text{Cs}_2\text{CO}_3$
3	_____ reacts with alkalis to give hydrogen	A. Be B. Mg C. Ca D. None
4	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
5	$\text{LiOH}$ _____ soluble than $\text{NaOH}$	A. More soluble B. Less soluble C. Equally soluble D. None
6	Which colour is imparted by sodium	A. Yellow B. Violet C. Red D. Crimson
7	The chemical formula of magnesite is	A. $\text{MgCl}_2$ B. $\text{Mg}(\text{HCO}_3)_2$ C. $\text{MgCO}_3$ D. None of these
8	In the earth crust sodium is	A. 2.50% B. 2.30% C. 2.40% D. 3.50%
9	Alkaline earth metals possess two electrons in their outermost	A. F-orbital B. D-orbital C. S-orbital D. P-orbital
10	Which is an essential constituent of chlorophyll	A. Be B. Fe C. Mg D. Ca
11	S-block elements consist of	A. Alkali metals B. Alkaline earth metals C. Alkali and alkaline earth metals D. None of these
12	The maximum number of electrons in the outermost shell of s-block elements is	A. One B. Two C. Three D. Four
13	Potassium superoxide has a use in breathing equipment in space crafts. The balanced equation for the reaction is	
14	Which of the following is not the reactions of lithium	
15	Gypsum is a common mineral of	A. Magnesium B. Strontium C. Calcium D. Barium

A.  
 $\text{Na}_2\text{B}_4\text{O}_7$   
 B.  
 $\text{Na}_2\text{B}_4\text{O}_7$ .

16	Borax is a common mineral of alkali metal sodium. Its formula is	$10\text{H}_2\text{O}$ C. $\text{Na}_2\text{B}_3\text{O}_6$ . $10\text{H}_2\text{O}$ D. $\text{Na}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$
17	Which of the following is lighter	A. Li B. k C. Na D. Ca
18	The alkaline earth elements have in their s-orbital	A. One electron B. Two electron C. No electron D. Three electron
19	Which of the element is not an alkaline earth metal	A. Beryllium B. Strontium C. Barium D. Caesium
20	Which of the element is not alkali metal	A. Lithium B. Rubidium C. Francium D. Magnesium