

MDCAT Chemistry Chapter 10 Groups Online Test

Sr	Questions	Answers Choice
1	One of the following metals is the most reactive and form super oxide. Indicate that	A. Mg B. K C. Be D. Li
2	What is the formula of bauxite?	A. $Al_2O_3 \cdot 2H_2O$ B. Al_2O_3 C. $Na_2B_4O_7 \cdot 10 H_2O$ D. $Ca_2B_6O_{11} \cdot 5H_2O$
3	Formula of sodium beryllite is	A. $Na_2B_4O_7$ B. Na_2BeO_2 C. BeONa D. $Na_2B_4O_7 \cdot 10 H_2O$
4	Which one of the following doesn't exhibit allotropy?	A. Bi B. As C. N D. P
5	Which of the following does not give flame test?	A. Li B. Ba C. Mg D. Sr
6	Elements of group IV-A are	A. neither strongly electropositive nor strongly electronegative B. strongly electropositive C. strongly electronegative D. none of these
7	The reaction between Cu and conc. H_2SO_4 produces	A. Cu^{+2} B. SO_2 C. SO_3 D. H_2
8	Which of the following belongs to alkaline earth metals	A. Cu B. Zn C. Sn D. Mg
9	Which one of following property is not true about alkali metals?	A. Strongest bases due to their hydrides B. Low ionization energy C. Oxidation number more than +1 D. Form acidic oxides
10	Lithium differs from rest of members of its group due to which of following reasons	A. High E.N of Li^{+1} B. Small radius C. High charge density D. All above are correct
11	Which is not mineral of Al?	A. Diaspore B. Corundam C. Bauxite D. Galena
12	Asbestos is commonly used in making	A. wall board B. black board C. soft board D. hard board
13	Li resembles with Mg, because	A. the ratio of their charge to size is nearly the same B. both have nearly same size C. both are metallic in nature D. both are found together in nature
14	One of the following does not give the flame test. Which is that	A. Sr B. Ba C. Be D. Na
		A. $[Ar] 3d^{10}, 4s^2$

15	Which of the following configurations corresponds to alkaline earth metals?	B. [Ne] 3d ² , 3p ² C. [Ar] 4s ² D. [Ar], 3d ¹⁰ , 4s ¹
16	Elements of group II-A are called	A. f-block elements B. s-block elements C. p-block elements D. d-block elements
17	Which of the following element has high m.p and b.p, it acts as a reducing agent, and can react with bases?	A. Sr B. Ca C. Be D. Mg
18	Which element differs from rest of elements of its group?	A. Ba B. Mg C. Ca D. Be
19	Beryllium differs from other elements of group II-A due to	A. high charge density B. comparatively high nuclear charge C. small radius D. all above
20	What is the formula of magnesite?	A. PbS B. MgSO ₄ · 7H ₂ O C. MgCO ₃ D. CaCO ₃