

MDCAT Chemistry Chapter 10 Groups Online Test

Sr	Questions	Answers Choice
1	Which one of the following elements is most electropositive out of group I -A and II-A group?	A. K B. Mg C. Na D. Ca
2	Which compound gives carbon when heated with conc. H ₂ SO ₄ .	A. Starch B. Ethyl alcohol C. Oxalic acid D. Formic acid
3	The general electronic configuration of group IV-A elements is	A. ns ² , np ⁶ B. ns ² , np ⁴ C. ns ² , np ³ D. ns ² , np ²
4	Which one of the following elements is not an alkali metal?	A. Na B. Sr C. Cs D. Rb
5	Which of the following configurations corresponds to alkaline earth metals?	A. [Ar] 3d ¹⁰ , 4s ² B. [Ne] 3d ² , 3p ² C. [Ar] 4s ² D. [Ar], 3d ¹⁰ , 4s ¹
6	The alkaline earth metals are called so because they	A. form alkaline solution and are present in earth crust as minerals B. form alkaline solution and are found in nature states C. are present in earth crust D. are present in earth crust as their minerals
7	Elements of group IV-A are	A. neither strongly electropositive nor strongly electronegative B. strongly electropositive C. strongly electronegative D. none of these
8	Elements of group II-A are called	A. f-block elements B. s-block elements C. p-block elements D. d-block elements
9	Which element differs from rest of elements of its group?	A. Ba B. Mg C. Ca D. Be
10	Compared with alkaline earth metals, the alkali metals exhibit.	A. lower ionization energies B. greater hardness C. high boiling point D. smaller ionic radii
11	What is the formula of dolomite?	A. CaMg ₃ (SiO ₃) ₄ B. MgCO ₃ C. MgCO ₃ .CaCO ₃ , D. MgSO ₄
12	About 25% of earth crust mass is made up of element	A. Oxygen B. Silicon C. Aluminium D. Aluminates
13	The reaction between Cu and conc. H ₂ SO ₄ produces	A. Cu ⁺² B. SO ₂ C. SO ₃ D. H ₂
14	Which element of group V-A and VI-A does not use d-orbital?	A. Nitrogen B. Sulphur C. Arsenic D. Chlorine

15	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
16	Which alkaline earth metal makes peroxide?	A. Ba B. Be C. Mg D. Ca
17	What is the formula of cryolite?	A. $\text{Al}_2\text{O}_3 \cdot 2\text{H}_2\text{O}$ B. $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10 \text{H}_2\text{O}$ C. Na_3AlF_6 D. $\text{Ca}_2\text{B}_6\text{O}_{11} \cdot 5\text{H}_2\text{O}$
18	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
19	The elements of group I-A react violently with water and make the solution	A. neutral B. amphoteric C. acidic D. alkaline
20	Which one of the following doesn't exhibit allotropy?	A. Bi B. As C. N D. P