

MDCAT Chemistry Chapter 10 Groups Online Test

Sr	Questions	Answers Choice
1	Which compound gives carbon when heated with conc. H ₂ SO ₄ .	A. Starch B. Ethyl alcohol C. Oxalic acid D. Formic acid
2	Which of the following are not known to form compounds in more than one oxidation state?	A. Transition metals B. Halogens C. Alkali metals D. Noble gases
3	Which element of group V-A and VII-A does not use d-orbital?	A. Nitrogen B. Sulphur C. Arsenic D. Chlorine
4	The elements of group I-A react violently with water and make the solution	A. neutral B. amphoteric C. acidic D. alkaline
5	Which set of elements is good loser of electrons	A. F ₂ , Cl ₂ , Br ₂ B. N, P, As C. O, S, Se D. Li, Na, K
6	Fluorine is largely used in	A. rocket fuels B. making Teflon C. making freon D. All
7	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
8	About 25% of earth crust mass is made up of element	A. Oxygen B. Silicon C. Aluminium D. Aluminates
9	One of the following does not give the flame test. Which is that	A. Sr B. Ba C. Be D. Na
10	What is the formula of dolomite?	A. CaMg ₃ (SiO ₃) ₄ B. MgCO ₃ C. MgCO ₃ .CaCO ₃ , D. MgSO ₄
11	Which is the least reactive of all the alkali metals	A. Li B. Na C. K D. Cs
12	Elements of group II-A are called	A. f-block elements B. s-block elements C. p-block elements D. d-block elements
13	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
14	Elements of II-A group are called alkaline earth metals due to the reason that	A. they occur in earth only B. they form divalent cations only C. they have ns ² electronic configuration D. their oxides and hydroxides are alkaline in nature and metals are present in earth crust

15	Compared with alkaline earth metals, the alkali metals exhibit.	A. lower ionization energies B. greater hardness C. high boiling point D. smaller ionic radii
16	The element which exhibits maximum catenation property is	A. C B. Pb C. Ge D. Sn
17	The reaction between Cu and conc. H ₂ SO ₄ produces	A. Cu ⁺² B. SO ₂ C. SO ₃ D. H ₂
18	How magnesium reacts with water?	A. In frozen ice water B. With cold water C. In with steam D. In hot state
19	Which of the following does not give flame test?	A. Li B. Ba C. Mg D. Sr
20	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