

ECAT Chemistry Chapter 14 Group IIIA & IVA Elements Online Test

Sr	Questions	Answers Choice
1	Hybridized in oxygen is:	A. sp B. sp^2 C. sp^3 D. dsp^3
2	Hybridized in carbon is:	A. sp B. sp^2 C. sp^3 D. d^2sp
3	Dipole moment of CO molecule is:	A. 0.0 B. 1.112 D C. 0.112 D D. 2.112 D
4	A compound used as eye wash:	A. Borax B. Boric acid C. Metabolic acid D. Pyroboric acid
5	Corrundam is ore of:	A. Li B. Be C. B D. Al
6	Which property is not present in Al?	A. Reacts with acid B. Reacts with bases C. Changes litmus paper D. Changes methyle orange colour
7	Al is the most element in earth crust:	A. O B. Si C. Al D. Pb
8	Density of aluminium is ($g\ cm^{-3}$):	A. B B. Al C. Si D. Ge
9	Which has soapy touch?	A. $Na_2B_4O_7$ B. H_3BO_3 C. $Ca_2B_6O_{11}$ D. HBO_2
10	Copper oxide is dedected by borax bead test with colour:	A. Blue B. Red C. Yellow D. Black
11	Which is used to remove air bubbles form metals?	A. B B. Be C. Mg D. Al
12	Which is used in navigational equipments?	A. B B. Be C. Mg D. Al
13	Pb has inert pair of electrons:	A. One B. Two C. Three D. Four
14	Which is not the form of silica?	A. Amethyst quartz B. Rose quartz C. Smoky D. None of these
15	Silicon atom is hybridized:	A. sp B. sp^2 C. sp^3 D. dsp^2

16	Borax is hydrated:	A. Penta B. Deca C. Hepta D. Octa
17	What is chrome yellow?	A. PbO B. Pb_2O C. PbCrO_4 D. Pb_3O_4
18	Which is litharge or massicot?	A. PbO B. Pb_2O C. Pb_3O_4 D. PbO_2
19	What is going to replace the petroleum?	A. Silica B. Silicates C. Silicones D. Silicon
20	What is the formula of asbestos?	A. $\text{CaMg}_3(\text{SiO}_3)_4$ B. CaSiO_3 C. Na_2SiO_3 D. $\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$
21	Chief ore of aluminium is:	A. Na_3AlF_6 B. $\text{Al}_2\text{O}_3 \cdot 2\text{H}_2\text{O}$ C. Al_2O_3 D. $\text{Al}_2\text{O}_3 \cdot \text{H}_2\text{O}$
22	Tinical is a mineral of:	A. Al B. B C. Si D. C
23	Which of the following elements is not present abundantly in earth's crust?	A. Silicon B. Aluminium C. Sodium D. Oxygen
24	Boric acid cannot be used:	A. An antiseptic in medicine B. For washing eyes C. In soda bottles D. For enamels and glazes
25	Which element among the following belongs to Group IV-A of the periodic table?	A. Barium B. Iodine C. Lead D. Oxygen
26	Which electronic configuration corresponds to an element of Group II-A of the periodic table?	A. $1s, 2s^2, 2p^6, 3s^2, 3p^6, 4s^2$ B. $1s^2, 2s^2, 2p^6, 3s^2, 3p^1$ C. $1s^2, 2s^2, 2p^6$ D. $1s^2, 2s^2, 2p^6, 3s^2, 3p^3$
27	Which element forms an ion with charge 3+?	A. Beryllium B. Aluminium C. Carbon D. Silicon
28	Chemical composition of colemanite is:	A. $\text{Ca}_2\text{B}_6\text{O}_{11} \cdot 5\text{H}_2\text{O}$ B. $\text{CaB}_4\text{O}_7 \cdot 4\text{H}_2\text{O}$ C. $\text{Na}_2\text{B}_7\text{O}_{17} \cdot 4\text{H}_2\text{O}$ D. $\text{CaNaB}_5\text{O}_9 \cdot 8\text{H}_2\text{O}$
29	Aluminium oxide is:	A. Acidic oxide B. Basic oxide C. Amphoteric oxide D. None of these
30	Which metal is used in the thermite process because of its activity?	A. Iron B. Copper C. Aluminium D. Zinc