

Group IIA & IVA Elements

Sr	Questions	Answers Choice
1	Which is not the form of silica?	A. Amethyst quartz B. Rose quartz C. Smoky D. None of these
2	Phosphine is not obtained by the reaction when	A. White P is heated with NaOH B. Red P is heated with NaOH C. $\text{Ca} ₂ \text{P} ₂$ reacts with water D. $\text{PH} ₄$ is boiled with water
3	Which of the following sulphates has the highest solubility in water	A. $\text{BaSO} ₄$ B. $\text{CaSO} ₄$ C. $\text{MgSO} ₄$ D. $\text{BeSO} ₄$
4	Which of the following salt is soluble in water	A. $\text{CaCO} ₃$ B. $\text{CaSO} ₄$ C. $\text{MgSO} ₄$ D. $\text{BaSO} ₄$
5	Which property is not present in Al?	A. Reacts with acid B. Reacts with bases C. Changes litmus paper D. Changes methyle orange colour
6	Sodium is never found free in nature because of its	A. Chemical reactivity B. Small ionic size C. Small atomic volume D. None of these
7	The number of electron that are paired in oxygen molecule are	A. 16 B. 12 C. 14 D. 7
8	Which of the following is formed by the action of water on sodium peroxide?	A. $\text{H} ₂$ B. $\text{N} ₂$ C. $\text{O} ₂$ D. $\text{CO} ₂$
9	Sodium forms largely	A. Normal oxides B. Per-oxides C. Superoxides D. None of these
10	NaHCO_3 is commonly called	A. Soda ash B. Baking soda C. Washing soda D. None of these
11	Which of the following are electropositive in nature	A. Alkali metals B. Alkaline earth metals C. Halogens D. Alkali and alkaline earth metals
12	Which element among the following belongs to Group IV-A of the periodic table?	A. Barium B. Iodine C. Lead D. Oxygen
13	The number of unpaired electrons in the p-subshell of oxygen atom	A. 1 B. 2 C. 3 D. 4
14	Orthophosphoric acid is	A. Monobasic B. Dibasic C. Tribasic D. Tetrabasic

15	Which is used to remove air bubbles form metals?	B. Be C. Mg D. Al
16	Permonosulphuric acid is known as	A. Marshall's acid B. Carlo's acid C. Sulphuric acid D. None of these
17	Each of the following is true of white and red phosphours except that they	A. Are both soluble in CS_2 B. Can be oxidized by heating in air C. Consist of the same kind of atoms D. Can be converted into one another
18	Which is litharge or massicot?	A. PbO B. Pb_2O C. Pb_3O_4 D. PbO_2
19	The element which has a simple cubic lattice in solid state is	A. Se B. Te C. Po D. None of these
20	White phosphorus is	A. A mono atomic gas B. P_4 , a tetrahedral solid C. P_8 , a crown D. A linear diatomic molecule