

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following is the weakest base.	A. KOH B. NaOH C. LiOH D. RbOH
2	Which of the following compounds liberates CO ₂ on heating.	A. Li ₂ CO ₃ B. Na ₂ CO ₃ C. K ₂ CO ₃ D. All liberate CO ₂ on heating.
3	Which of the following reacts with excess oxygen to form a normal oxide.	A. Li B. Na C. K D. Rb
4	Which among the following is least soluble in water.	A. NaF B. LiF C. KF D. CsF
5	Which among the following is insoluble in water.	A. LiOH B. KOH C. NaOH D. RbOH
6	Sodium reacts with excess of oxygen to form	A. Na ₂ O B. NaO ₂ C. Na ₂ O ₂ D. NaO
7	Potassium reacts with excess of oxygen to form	A. K ₂ O B. K ₂ O ₂ C. KO ₂ D. K ₂ O ₃
8	The most reactive alkali metal among the following is	A. Li B. Na C. Cs D. Rb
9	The alkali metal that react with nitrogen directly to form nitrides.	A. Na B. K C. Rb D. Li
10	Sodium react more vigorously than lithium because.	A. It is a metal B. It has higher atomic mass C. It is more electronegative D. It is more electropositive
11	Potassium crystallizes in a body centered lattice. Hence, the coordination number of potassium in potassium metal is.	A. 4 B. 6 C. 8 D. 12
12	Sodium metal cannot be stored under	A. Hexane B. Benzene C. Kerosene D. Ethanol
13	The only oxidation state of alkali metals in their compounds is.	A. +1 B. +2 C. -1 D. 0
14	The colour imparted by lithium to the flame is.	A. Golden yellow B. Grass green C. Violet D. Red
15	Among alkali metals, the least metallic element is.	A. Li B. Na C. Rb D. Cs

16	Lithium shows diagonal relationship with	A. Beryllium B. Sodium C. Magnesium D. Calcium
17	The alkali metal with highest melting point is	A. K B. Na C. Li D. Ca
18	The correct order of ionization energies of alkali metals is.	A. Li > Na > K > Rb B. Na > K > Rb > Li C. Rb > K > Na > Li D. Rb > K > Li > Na
19	The lightest alkali metal is.	A. Lithium B. Sodium C. Rubidium D. Caesium
20	Which of the following is not an alkali metal.	A. Potassium B. Francium C. Sodium D. Strontium