

## NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	The acid used in lead storage cells is	A. Phosphoric acid B. Nitric acid C. Sulphuric acid D. Hydrochloric acid
2	Which of the following fluorides does not exist?	A. $\text{NF}_5$ B. $\text{PF}_5$ C. $\text{AsF}_5$ D. $\text{SbF}_5$
3	Phosphorus pentoxide finds use as	A. An oxidizing agent B. A reducing agent C. a bleaching agent D. A dehydration agent.
4	Red P can be obtained from white P by	A. Heating it with a catalyst in an inert atmosphere B. Distilling it in an inert atmosphere C. Dissolving it in $\text{CS}_2$ and crystallizing D. Melting it and pouring the liquid into water
5	White P when boiled with strong solution of caustic soda produces	A. Phosphine B. Posh acid C. Phosphorous acid D. None
6	Each of following is true of white and red phosphours except that they	A. Are both soluble in $\text{CS}_2$ B. Can be oxidized by heating in air C. Consist of the same kind of atoms D. Can be converted into one another
7	Which one of the following compounds does not exist?	A. $\text{NCl}_5$ B. $\text{AsF}_5$ C. $\text{SbCl}_5$ D. $\text{PF}_5$
8	$\text{BiCl}_3$ on hydrolysis forms a white precipitate of	A. Bismuthio acid B. Bismuth oxychloride C. Bismuth pentachloride D. Bismuth hydroxide.
9	Phosphide ion has the electronic structure similar to that of	A. Nitride ion B. Fluoride ion C. Sodium ion D. Chloride ion
10	Which one of the following elements occurs free in nature?	A. N B. P C. As D. Sb
11	Red lead is	A. $\text{PbO}$ B. $\text{Pb}_3\text{O}_4$ C. $\text{PbO}_2$ D. $\text{Pb}_4\text{O}_3$
12	Which of the following statements is correct with respect to the property of elements with increase in atomic number in the carbon family (group 14)?	A. Their metallic character decreases B. The stability of +2 oxidation state increases C. Their ionization energy increases D. Their atomic size decreases
13	White lead is	A. Basic lead acetate B. Acidic lead carbonate C. Basic lead carbonate D. Basic lead hydroxide
14	Which of the following has no tin in its composition?	A. Solder B. Bronze C. Brass D. Tin stone

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The chemical composition of white lead is

- A.  $\text{Na}_2\text{CO}_3$
- B.  $\text{Pb}_3\text{O}_4$
- C.  $\text{Pb}(\text{OH})_2 \cdot 2\text{PbCO}_3$
- D.  $\text{PbO}$