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	Term 1	Term 2	Term 3	Periodical Test	SLAS	

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	Term 1	Term 2	Term 3	Periodical Test	SLAS	

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XI- Chemistry

Important short answer Questions

2020-2021

1) Application of Al:

Many heat exchangers / sinks and our day to day cooking vessels are made up of Aluminium.

It is used as wraps and it is used in Packing material for food items.

Aluminium is not very strong, However it alloys with copper, manganese, magnesium and silicon are light weight and strong they are used in design of aeroplanes and other forms of Transport.

2) Application of Zn:

Metallic zinc is used in galvanising metals such as iron and steel structures to protect them from rusting and corroding.

Zinc is also used in produce die-castings in the automobile, electrical and hardware industries.

Zinc oxide is used in the manufacture of many Product such as Paints, Rubber, cosmetics, Pharmaceuticals, Plastics, inks, batteries, textiles and electrical equipments.

zinc sulphide is used in making luminous
Paints, fluorescent lights and x-ray screen.

3) Application of Fe

Iron is one of the most useful metals and its alloys are used everywhere including bridges, electricity pylons, bicycle chains, cutting tools and Riffle barrels.

cast iron is used to make pipes valves and pumps stove, etc.

Magnets can be made from iron and its alloys and compound.

4) Application of Cu:

copper is the first metal used by human and extended use of its alloy bronze resulted in a new era, "Bronze age".

copper is used for making coins and ornaments along with gold and other metals.

copper and its alloys are used for making wires, water pipes and other electrical parts.

5) Application of Au:

Gold is one of the expensive and precious metals. It is used for coinage and has been used as standard for monetary systems in some countries.

It is used extensively in Jewellery in its alloy form with copper.

It is also used in electroplating to cover other metals with a thin layer of gold which are used in watches, artificial limb joints, cheap Jewellery, electrical connectors.

Gold nanoparticles are also used for increasing the efficiency of solar cells and also used as catalysts.

6) uses of Boron:

Boron has the capacity of absorb neutrons. Hence its isotope $^{10}\text{B}_5$ is used as moderator in nuclear reactor.

Amorphous Boron is used as a Rocket fuel ignitor.

Boron is essential for the cell wall of plants.

In the manufacture of Pyrex glass, Boric oxide is used.

7) uses of Boric acid:-

Boric acid is used in the manufacture of Pottery glasses, enamels and Pigments.

It is used as an antiseptic and as an eye lotion.

It is also used as food Preservative.

8) uses of diborane:-

Diborane is used as a high energy fuel for propellant.

It is used as a reducing agent in organic chemistry.

It is used in welding torches.

9) uses of Alum:-

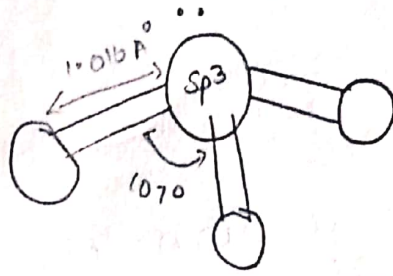
It is used for purification of water

It is also used for water proofing and textiles

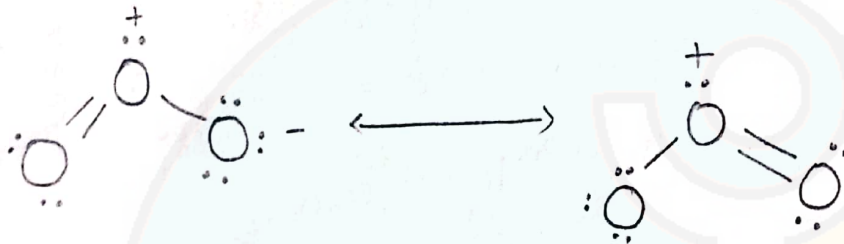
It is used in dyeing, Paper and leather tanning industries.

It is employed as a styptic agent to arrest bleeding.

10) Structure of Ammonia:



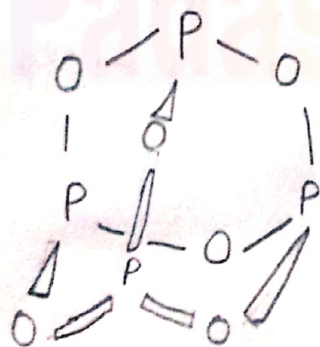
11) Structure of ozone



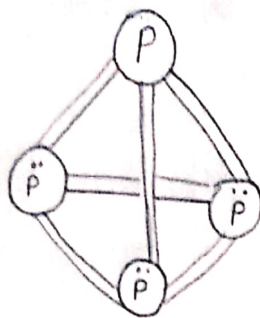
12) Structure of Sulphur dioxide



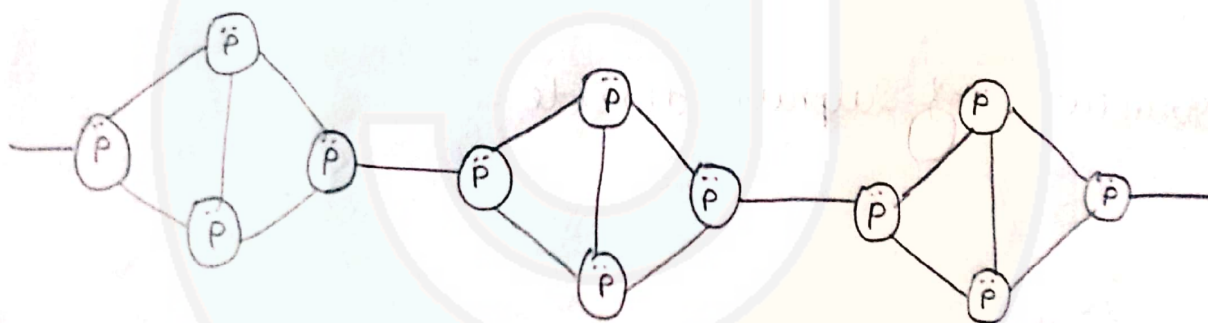
13) Structure of P_4O_6



14) Structure of white Phosphorus:



15) Structure of Red phosphorus



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