

CLASS-8 SUBJECT -SCIENCE DATE 02.06.2020 PAWAN KR.

LEARNING MATERIALS

CHAPTER (METALS AND NON-METALS.)

Q. N. 1 State two reasons for believing that copper is a metal and sulphur is a non-issuse metal.

Ans. The two properties which tells us that copper is a metal and sulphur is a non-metal.

Copper

1.copper is malleable and ductile. It can be hammered into thin sheets and drawn into wires.

2.copper is a good conductor of heat and electricity.

Sulphur

1.Sulphur is neither malleable nor ductile. It is brittle. Sulphur breaks into pieces when hammered or stretched.

2.Sulphur is a poor conductor of Heat and electricity.

CHEMICAL PROPERTIES OF METALS AND NON-METALS

Reaction with oxygen

- I) Metal react with oxygen to form metal oxides. Metal oxides are basic in nature.
 - A) when magnesium burns in air, it combines with the oxygen of air to form magnesium oxide.
 - B) Magnesium oxide dissolves partially in water to form magnesium hydroxide solution.

Note: Magnesium oxide turns red litmus to blue showing that it is a base and that magnesium oxide is a basic oxide.

During the rusting of iron, iron metal combines slowly with the oxygen of air in the presence of water to form a compound called 'iron oxide'.

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