

## I) Question and answer

1. What is displacement reaction?

- A more reactive metal has the tendency to displace the less reactive from its solution. Such a reaction is known as displacement reaction.

Eg: copper sulphate + iron  $\rightarrow$  iron sulphate + copper

2. What happens when a metal reacts with oxygen?

- Metal react with oxygen to form metallic oxides which are basic in nature. Non-metals react with oxygen to form non-metallic oxides which are acidic in nature.

3. What happens when metal reacts with water?

- Metals react with water to form either oxides or hydroxides and hydrogen gas. Most of the non-metals do not react with water.

4. What happens when a metal reacts with acids and bases?

- Metals reacts with acids to form corresponding salts with the evolution of hydrogen gas. Metals usually do not react with bases. Most of the non-metals do not react with acid and bases.

## II) Fill in the blanks:

1. \_\_\_\_\_ and \_\_\_\_\_ are stored in kerosene oil.
2. Iron reacts with oxygen to form \_\_\_\_\_.
3. Iron is \_\_\_\_\_ reactive than copper.

4. Metal reacts with acids to produce \_\_\_\_\_ gas.
5. Phosphorus is a very \_\_\_\_\_ non-metal.
6. \_\_\_\_\_ is a non-metal used in the pencil lead.
7. Non-metal oxides are \_\_\_\_\_ in nature.

III) Answer the following:

1. Why potassium is not stored in water?
  2. Why gold ornaments look new even after several years of use?
  3. What happens when dilute Sulphuric acid is poured on a copper plate?
  4. What happens when iron nails are placed in Copper Sulphate solution?
  5. What happens when copper container is exposed to air?
  6. What are the uses of non-metals?
  7. Can you store lemon pickle in an Aluminium utensil? Explain?
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