Activities -METALS AND NON-METALS

Activity-1

- ✓ **Take samples of Iron, Copper, Zinc, Aluminium and Magnesium. Note the appearance of each sample. Clean the surface of each sample by rubbing them with sand paper and note their appearance again. Make observations and inferences.**

Activity-2

Collect the samples of metals/items made of metals available and classify them based on their hardness.

Activity-3

Take pieces of iron, zinc, lead and copper. Place any one metal on a block of iron and strike it four or five times with a hammer. What do you observe? Repeat with other metals. Record the change in the shape of these metals.

Activity-4

- **Consider some metals such as iron, copper, aluminium, lead, etc.**
- **Which of the above metals are also available in the form of wires? and which metal is heavier?**

Activity -5

- Take a magnesium ribbon and some sulphur powder.
- Burn the magnesium ribbon. Collect the ashes formed and dissolve them in water.
- Test the resultant solution with both red and blue litmus paper.
- Is the product formed on burning magnesium acidic or basic?
- Now burn sulphur powder. Place a test tube over the burning sulphur to collect the fumes
  Produced.
- Add some water to the above test tube and shake.
- Test this solution with blue and red litmus paper.
- Is the product formed on burning sulphur acidic or basic?
- Can you write equations for these reactions?

Activity-6:

Take 03 test tubes each contain a dilute solution of Copper sulphate, Zink Sulphate, and Ferrous sulphate. Add a strip of Mg ribbon in to each test tube and wait for 10 minutes. Record your observations.

Activity-7:

Based on the activity-6, arrange the metals like Mg, Cu, Fe and Zn, on the basis of their reactivity.