EXPERIMENT – 2

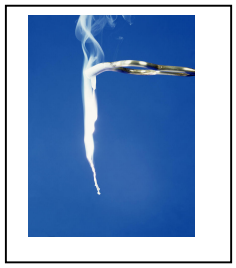
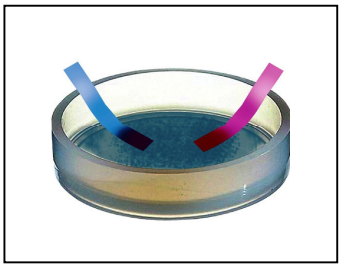
METALS REACTS WITH OXYGEN

Aim : Observing the reaction of metals with oxygen gas.

Required : Spirit burner, Match box, Pair of tongs, petridish-2, Magnesium ribbon, Zinc granules, Water, Blue litmus paper, Red litmus paper.

Description : Oxides of metals dissolve in water and form bases. Bases convert red litmus into blue colour. Bases do not change blue litmus paper.



Procedure:

1. Take a spirit lamp at lit it.
2. Hold a piece of Magnesium ribbon with the pair of tongs.
3. Place the Magnesium ribbon piece on the flame of spirit lamp.
4. Observe how the metal burns.
5. Collect the ash into petridish. Add some water.
6. Test the solution with Blue litmus paper and Red litmus paper.
7. Note down the observations in the table.
8. Repeat the same procedure for the remaining samples of Metals pieces.

Observations:

Metal substance	Physical appearance before reaction	Physical appearance after reaction	The colour of substance after reaction	Effect on Blue litmus paper	Effect on Red litmus paper
Magnesium					
Zinc					

The aqueous solutions of Metal oxides converts ……. Litmus into …… colour.

Precautions :

- Wear a mask to cover nose and mouth to avoid breathing the fumes.
- Burn the Metal substances carefully with spirit lamp.

Result : The reaction of metals with oxygen gas is observed.

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