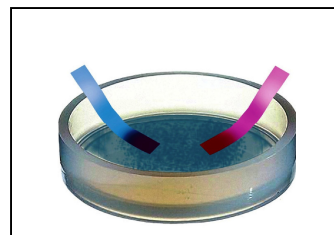


EXPERIMENT – 3**NON METALS REACTS WITH OXYGEN****Aim** : Observing the reaction of Non metals with oxygen gas.**Required** : Spirit burner, Match box, Deflagrating spoons-2, Glass jars-2, Sulphur powder, Carbon powder, Blue litmus paper, Red litmus paper.**Description** : Oxides of Non metals dissolve in water and form Acids. Acids convert Blue litmus into Red colour. Acids do not change Red litmus paper.**Procedure:**

1. Take a spirit lamp at lit it.
2. Take some sulphur powder on deflagrating spoon.
3. Place the spoon with sulphur powder on the flame of spirit lamp.
4. Hold the burning sulphur spoon in the glass jar having small amount of water. Keep the lid.
5. Observe how the substance burns.
6. Remove the spoon. (Take care that smoke should not be sent out.)
7. Shake the Jar such that the smoke dissolves in water.
8. Place blue litmus and red litmus papers in that solution.
9. Note down the observations in the table.
10. Repeat the same procedure for the remaining samples of Non metals.

Observations:

Non 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
Sulphur					
Carbon					

The aqueous solutions of Non metal oxides converts Litmus into colour.

Precautions :

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

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