

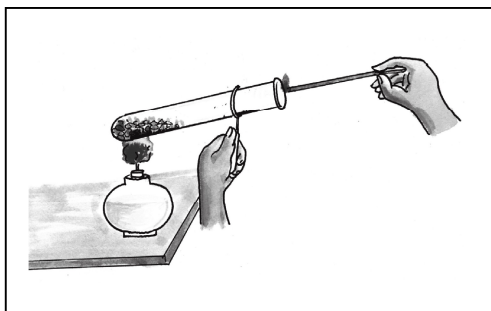
## EXPERIMENT - 1

### OXYGEN HELPS FOR BURNING

**Aim** : To prove that Oxygen helps in burning.

**Required** : Spirit burner, Match box, Test tube, Tongs, Potassium permanganate crystals, incense stick.

**Description** : Potassium permanganate liberates Oxygen gas on heating. This oxygen helps the fire stick in burning.



#### **Procedure:**

1. Lit the incense stick and let it burn for 10 seconds. Put out the flame and keep it aside.
2. Lit the spirit burner. [ignitephysics.weebly.com](http://ignitephysics.weebly.com)
3. Take a small amount of Potassium permanganate in a test tube.
4. Hold the test tube with tongs and heat it over the flame of the spirit burner.
5. We observe a gas is released on heating.
6. Keep the fire stick at the mouth of the test tube.
7. Note down the observations.

#### **Observations :**

- The fire stick burns with flame.
- The liberated oxygen helps in burning.

#### **Precautions :**

- Keep the fire stick when gas is evolved from the test tube.
- Be careful while heating the test tube. (Some times it may break)
- Holding test tube and incense stick is multi task. Observations should take carefully.

**Result :** We observed that Oxygen helps in burning.