

## L-6

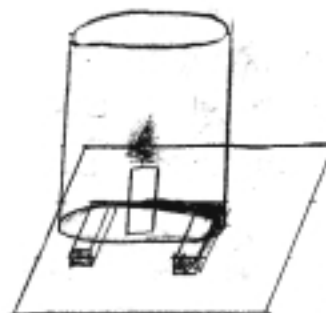
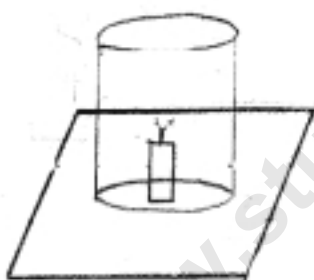
### Combustion and Flame

Q.1 Label the various zones of candle flame and answer following questions



- i) The hottest part of the flame \_\_\_\_\_.
- ii) Unburnt wax - vapours are found in which part of the flame \_\_\_\_\_.

Q.2



by observing the above two figures, explain why candle extinguishes in case (A) and is still burning in case (B)

.....  
.....

3. Match the suitable and appropriate equipment you will use to control fire in different cases.

- |                           |            |
|---------------------------|------------|
| a) Short Circuit          | b) Water   |
| c) A man caught with fire | d) Blanket |

4. The gas helpful in combustion is
- |             |                  |
|-------------|------------------|
| a) Oxygen   | b) Carbondioxide |
| c) Nitrogen | d) Hydrogen      |
5. combustion, which produces both heat and light :
- |                           |                  |
|---------------------------|------------------|
| a) Spontaneous combustion | b) Explosion     |
| c) Rapid Combustion       | d) None of these |
6. The fuel with highest calorific value is :
- |                 |             |
|-----------------|-------------|
| a) L.P.G.       | b) Petrol   |
| c) kerosene Oil | d) Hydrogen |
7. Of the following inflammable substance is :
- |           |                 |
|-----------|-----------------|
| a) Petrol | b) Coal piece   |
| c) Wood   | d) All of these |
8. Cleaner fuel is :
- |           |           |
|-----------|-----------|
| a) Diesel | b) Petrol |
| c) C.N.G. | d) L.P.G. |
9. Write one word for the following :
- The lowest temperature at which a substance catches fire. \_\_\_\_\_
  - Oxides of sulphur and nitrogen are dissolved in rain water, such rain is Called \_\_\_\_\_.
  - The amount of heat energy produced on complete combustion of 1 kg. of a fuel \_\_\_\_\_.