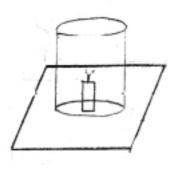
## L-6 Combustion and Flame

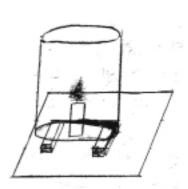
Q.1 Label the various zones of candle flame and answer following questions



- 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)	Spontaneons 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:				
	i)	The lowest temperature at which a substance catches fire			
	ii)	Oxides of sulphur and nitrogen are dissolved in rain water, such rain is			
		Called			
	iii)	The amount of heat energy produced on complete combustion of 1 kg. of			
		a fuel			