

Science Combustion

- 1) When something is burnt, a hot luminous gas emerges out of substance this gas is called flame. Example - wax.
- 2) All substance can only burn when it attains a certain minimum temperature and these substance easily catch the fire.
- 3) Those substance which do not burn are called Non Combustible substance. Eg - Glass, Stone, Cement Concrete.
- 4) Luminous - Object that can emit light and energy themselves are called Luminous Object.

Non-luminous - Object that can not emit light and energy themselves are called non-luminous.

5) Never use water extinguisher on electrical fire or any fire involving a flammable liquid

6) Impact of methyl isocyanate leak:

① methyl isocyanate killed more than 15000 people.

7) Most fire extinguishers work by separating the fuel from oxygen. The oxygen comes from the air. It is also same oxygen which we breathe.

8) Three things are required in proper combustion before ignition and combustion can take place of heat, oxygen and fuel. There must be fuel to burn.

9) There are 5 types of combustion

1) Complete Combustion - requires combustion of fuel.

2) Incomplete Combustion -

3) Rapid

4) Spontaneous -

10) • Short note -

• Carbon dioxide fire extinguisher - A Carbon dioxide fire extinguisher is a portable and active fire protection device that works by expelling Carbon dioxide onto a fire.

• Soda acid fire Extinguisher: It increases the percentage of Carbon dioxide in air, which non-supports Combustion.