

Chapter 6

COMBUSTION AND FLAME

Harmful effects of over usage of fuels:

Fuels like wood, charcoal release unburnt carbon particles which causes respiratory track diseases.

- When the fuels are burnt incompletely, they give a poisonous carbon monoxide gas.
- When the fuels are burnt completely, they release carbon dioxide gas which causes environmental hazards like global warming.

Note: Global warming means rise in temperature of earth surface which results melting of ice in Polar Regions. It increases sea level and some of the coastal areas may get submerged.

- Fuels like coal, diesel contains sulphur. Petrol contains nitrogen compounds. When these fuels are burnt, they release oxides of sulphur and nitrogen.
- These oxides dissolve in rainwater and form acids, which is called as acid rain.
- Acid rains damage the fertility of soil and are harmful to crops.
- CNG (Compressed Natural Gas) releases harmful products in very less amounts. So, it is considered as a cleaner fuel.