

Chapter 05

Coal and Petroleum

Coke, Coal tar and Coal gas:

Coke:

Coke is a tough, black solid substance, which is obtained from modification of coal. Coke is purest form of carbon and will be burnt mainly to obtain carbon dioxide.

- Because of its purity and reducing nature, it's been used in manufacture of many metals like steel & extraction of metals.

Coal tar:

Thick black coloured liquid obtained from coal. Coal tar is the mixture of about 200 different substances. These products obtained from coal tar will be used for the manufacture of different substances like synthetic fibres, plastics, explosives, perfumes, dyes, paints, photographic materials, proofing materials etc.

- Coal tar is one of the major industrial product.

Coal gas:

Coal gas is obtained as by product when we are preparing coke from coal. This coal gas is mainly used as a source of heat means as fuel.

- For the first time it is been used 1810 in London for street lightening and later in 1820 in New York.
- Nowadays it is used as a gaseous fuel.