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STUDY MATERIAL SCIENCE
CLASS-VIII

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Coal & Petroleum

Destructive Distillation: The process of heating coal in the absence of air is called destructive distillation.

Coal Tar is a black thick liquid, i.e., a mixture of about 200 substances and is used to get various materials of everyday life/industry, like; drugs, dyes, plastics, perfumes, paints, naphthalene balls etc.

Coal Gas is a by-product, that is obtained during the processing of coal to form coke, and is used as a fuel.

Petroleum is a fossil fuel, that is obtained by the decomposition of dead animals and plants due to geological changes under the earth. It means oil from the rocks. It is a dark oily liquid that is insoluble in water.

Petroleum Refining: The process of separating the different constituents/fractions of petroleum is known as petroleum refining.

Natural Gas is a very important fossil fuel, that is stored under high pressure and is easy to transport through pipes and referred to as CNG (compressed natural gas). It is a non-polluting fuel. It helps in the manufacture of a number of chemicals and fertilizers.

Coal: Coal is a fossil fuel, formed by the decay of vegetation which existed millions of years ago.

Coal Gas: Coal gas is obtained as a by-product during the processing of coal to form coke, and is used as a fuel.

Coal Tar: It is a black thick liquid with an unpleasant smell obtained by the processing of coal.

Coke: It is tough, porous and black substance obtained by the processing of coal.

Fossil Fuel: Dead remains of living organisms and buried over millions of years, like coal, petroleum and natural gas are fossil fuels.

Natural Gas: Natural Gas is a very important fossil fuel. It is a cleaner fuel.

Petroleum: It is a dark oily liquid with an unpleasant odour. It is a source of petrol and diesel.

Petroleum Refinery: Petroleum refinery is a place where the process of separating the various constituents of petroleum is carried out.