

LESSON No. 24



FUELS FOR VEHICLES

Do you know what is fuel ? It is a source of energy. It is something that is burned to provide power or heat.

Today, we see many vehicles on the road. A vehicle needs fuel to run on. Normally, most of the vehicles need petrol or diesel to run on. Today, some vehicles use natural gas to run on. In Delhi, almost all the public transport vehicles use CNG (Compressed Natural Gas). Such fuels are called non-renewable sources of energy or conventional sources of energy. Because, once these fuels have been used, they are lost forever. They cannot be re-used or recycled or renewed.



A CNG USED BUS

WHAT IS FUEL ?

What is the full form of CNG ?

Nowadays, some vehicles use fuels, like - natural gas, biogas, solar energy, hydrogen, ethanol and electricity, etc. apart from petrol and diesel. Such fuels are regarded pollution-free.

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What fuels are pollution - free ?

Today, most of the trains use electricity or diesel to run on. In the past, trains used steam engine and coal to run on.

In the past, what types of fuel were used in running of a train?



An Electric Train

Do you know, from where do we get petroleum products ?

The word petroleum comes from the Latin words **Petra**, meaning rock and **Oleum**, means oil. In short, it means oil from rock. It took a long time in the formation of petroleum. It is formed from the decomposed remains of marine animals and plants which were there millions of years ago. Petroleum is a dark and grey liquid. After refining the crude Petroleum we get various petroleum products, such as - petrol, kerosene, diesel, etc.



Where from do we get petroleum ?

What is the meaning of petroleum ?

Name three petroleum products.

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Petrol is costly. It is costlier than diesel oil. Go to a nearby oil pump and find out the cost of petrol, diesel and kerosene.

What is the price of a litre of petrol in your locality?



An Oil Pump

Have you seen a tractor ?

A tractor is a vehicle which is mainly used in ploughing and pulling loads. It is also known as a farm vehicle. The word tractor comes from the Latin word— **Trahere**. A tractor normally uses diesel as its fuel to run on.



A Tractor

Petrol and diesel are used in other purposes also. They are used in running water pumps, generators, etc. Petroleum products are precious. We must save it.

In what purposes other than vehicles, petrol and diesel are used ?

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All vehicles do not consume fuel equally in running equal distances. Some vehicles may run 10 kms. only with a litre of fuel and some other vehicles may run even 30 kms. with a litre of fuel.



A water pump

ACTIVITY

Write a slogan for saving oil.