

SESSION NO.: 8

CLASS: 5

SUBJECT: SCIENCE

CHAPTER NUMBER: 7

CHAPTER NAME: ROCKS AND MINERALS

SUB TOPIC: PETROLEUM, CONSERVE NATURAL RESOURCES

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

To enable the learner to:

- **Know about the types of non-metallic minerals.**
- **Understand the formation of petroleum.**
- **Know about the places which have petroleum in India**
- **Understand the uses of petroleum.**
- **Understand the ways of conservation of resources.**

RECAPITULATION

- Name some of the precious metals.
- Due to extreme pressure the vegetable matter change into _____, _____ and _____.
- _____ is formed from the remains of dead plants.
- Mention some uses of coal.
- Where do you find coal mines in India?

NON-METALLIC MINERALS

- Coal and petroleum are valuable underground resources.
- They provide us with energy.



Coal



Petroleum

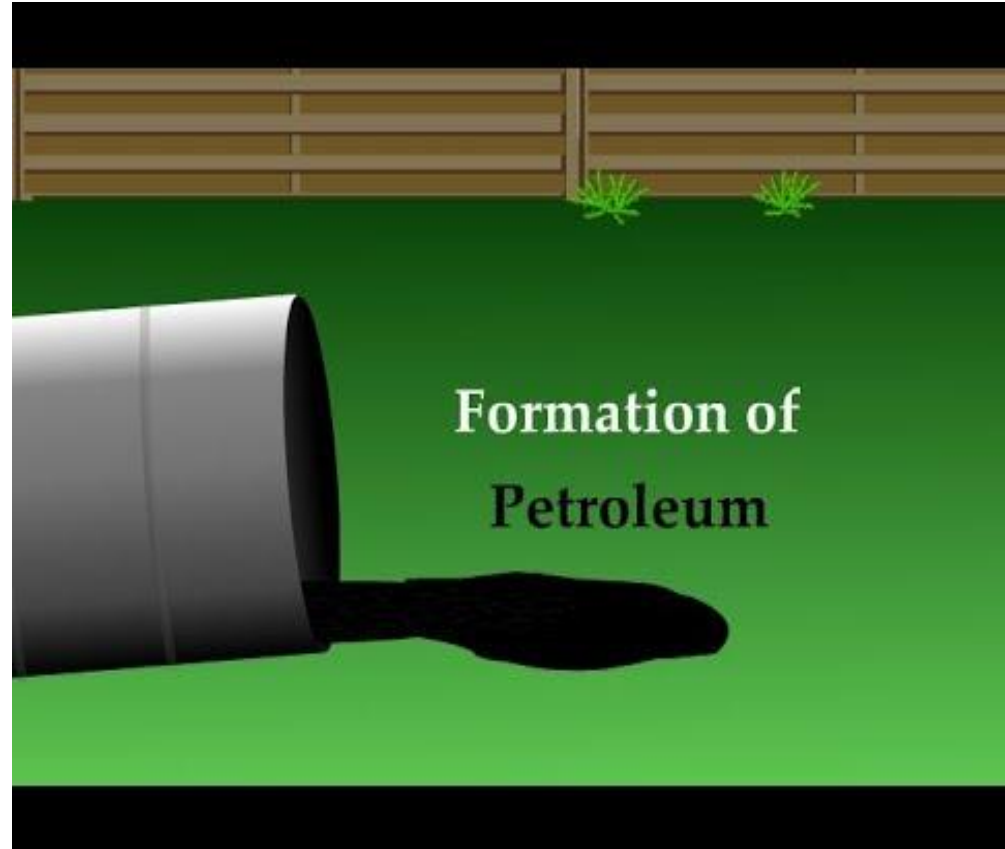
PETROLEUM

- **Petroleum is another valuable underground resource.**
- **Half of the energy used in the world today comes from petroleum.**
- **It is a kind of fossil fuel.**
- **Fossil fuels are the fuels formed from the dead and decaying parts of animals or plants breathe in the soil.**



FORMATION OF PETROLEUM

- Petroleum is formed from the dead remains of ancient land and sea creatures.
- Millions of years ago the dead remains of these things got buried in layers and gradually changed into oil and gas.

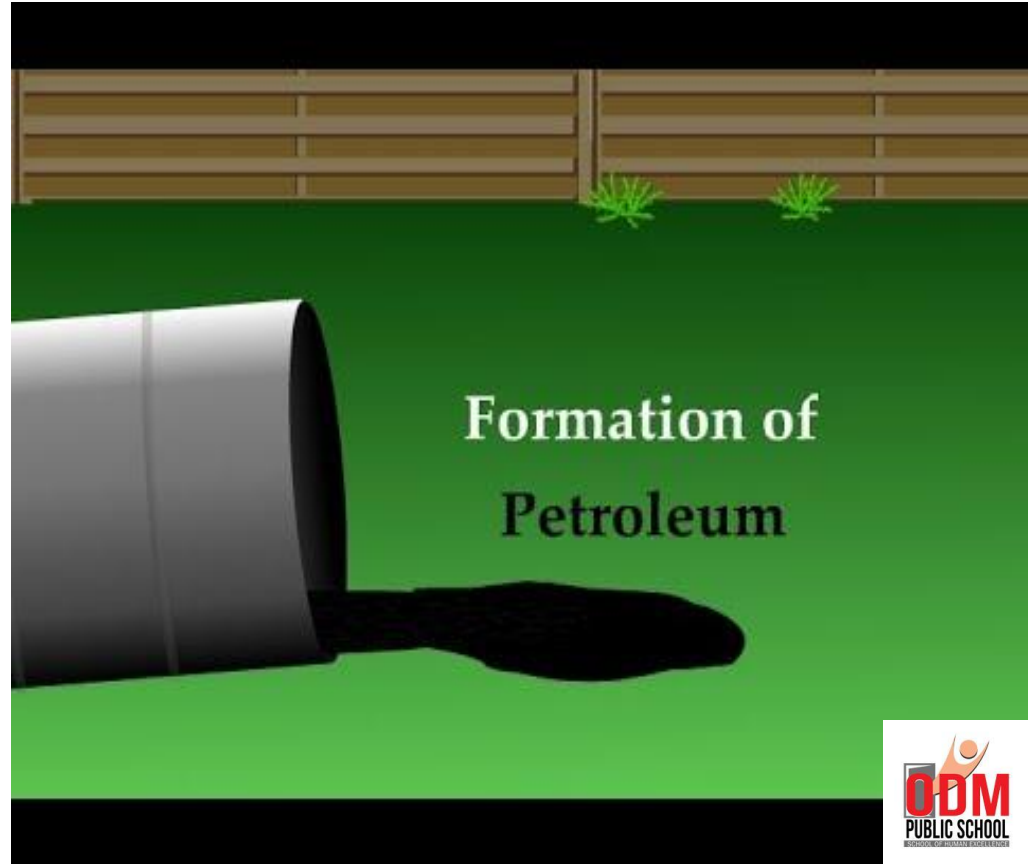


SOME OTHER NAMES OF PETROLEUM

- **Crude oil**
- **Rock oil**
- **Fossil fuel**
- **Black gold**
- **Liquid sunlight**

PLACES WHERE PETROLEUM IS FOUND

- In India, petroleum is obtained from the following places:
 - Ankleshwar in Gujarat
 - Digboi in Assam
 - Bombay High on the Mumbai coast





USES OF PETROLEUM



FOSSIL FUELS

- Fuel like coal, oil and natural gas formed from the dead and decaying parts of animals or plants buried in the soil.



CONSERVATION OF NATURAL RESOURCES

- **At home, our stoves and machine should be kept in good condition to save fuel.**
- **Coal and oil should be used carefully.**
- **Inexhaustible sources of energy like the sun, wind and water should be used.**
- **Mineral present in the earth should be used carefully as they are limited.**
- **A balance between animals and plants along with human beings should be maintained in nature because everyone is dependent on each other.**

SUMMARY

- **Petroleum is also known as rock oil, fossil fuel, black gold and liquid sunlight.**
- **Petroleum is formed from dead remains of land and sea creatures.**
- **In India, petroleum is obtained from many places like: Ankleshwar in Gujarat, Digboi in Assam and Bombay High on the Mumbai coast.**
- **Petroleum is mainly used as a fuel.**
- **We should conserve natural resources.**

READY FOR A
QUIZ ?

<https://create.kahoot.it/share/rocks/19cb76e0-7890-4c7a-a414-985acea7128d>

- 1. Fuel like coal, oil and natural gas from the dead and decaying parts of animals or plants buried in the soil.**

Ans: Fossil fuel

2. What are the other names of petroleum?

Ans: Crude oil, rock oil, etc.

3. _____ is formed from the remains of land and sea creatures.

Ans: Petroleum

4. _____ is used to produce medicines.

Ans: Petroleum

HOMWORK

Solve the crossword given in page no. 65 in your notebook.

D. Answer these questions.

2. What are ores? Name any four common ores.

Ans: Ores are the rocks which are rich in minerals and these minerals can be profitably obtained from these ores.

Four common ores are haematite, bauxite, pyrite and calamine.

3. Why are coal and petroleum important to man?

Ans: Coal and petroleum are important to man because:

- They are used as fuel.
- They provide us with a great amount of energy.
- They are used in the production of electricity and running of vehicles.
- Petroleum is used for making lubricating oil, printing ink and medicines.
- Paraffin wax or paint from petroleum is used to make candles, waterproof cartoons and Polish.
- Coal is used for heating homes and buildings.

LEARNING OUTCOME

The learner will be able to:

- **Know about the types of non-metallic minerals.**
- **Understand the formation of petroleum.**
- **Know about the places which have petroleum in India**
- **Understand the uses of petroleum.**
- **Understand the ways of conservation of resources.**

THANKING YOU
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