

SESSION :4

CLASS :09

SUBJECT : SOCIAL SCIENCE

CHAPTER NUMBER: 9

CHAPTER NAME :NATURAL RESOURCES

SUBTOPIC : CLASS TEST, MAPSKILL 10

CHANGING YOUR TOMORROW

Class Test-15 marks

Fill in the blanks.

1. Sunlight is a _____ natural resource.

Ans. renewable

2. Petrol and diesel are obtained from the mineral _____.

Ans. petroleum

3. Soil is the _____ layer on the Earth's surface.

Ans. uppermost

4. Animals raised by us for our use are known as _____.

Ans. Livestock

5. Cattle is a _____ resource.

Ans. renewable

B. Write T for true and F for false sentences.

1. Natural resources are both living and non-living.

Ans. True

1. Cattle is a non-renewable resource.

Ans. False

1. Mineral resources will never get exhausted as they are being continuously made under the Earth.

Ans. False

Answer the following questions:

Q1. Why is it important to save minerals such as coal and petroleum?

Ans. It is important to save minerals such as coal and petroleum because these minerals resources are non-renewable, once used up it will not be available to us anymore.

Q3. Write two ways to save the fuel in our daily life?

Ans.

- a) We can walk or cycle to the nearby places.
- b) Keep the utensils covered while cooking.

HOMEWORK

No Homework

LEARNING OUTCOME

- **Different patterns of questions.**
- **More clarity about the topic.**
- **Children will know about union territories located in different direction of our country.**

THANKING YOU
ODM EDUCATIONAL
GROUP

SESSION : 1

CLASS :04

SUBJECT : SOCIAL SCIENCE

CHAPTER NUMBER: 9

CHAPTER NAME :NATURAL RESOURCES

**SUBTOPIC : INTRODUCTION, WHAT ARE NATURAL
RESOURCES?, RENEWABLE AND NON RENEWABLE
RESOURCES**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVES:

Children will come to know

- **About the meaning of natural resources.**
- **Sources of natural resources.**
- **renewable and non-renewable resources.**
- **How to save our natural resources.**

OBSERVE AND SPEAK



WARM UP:

- **Do the food and water really important for you?**
- **How they are important for us?**
- **Is it easy to survive without these?**
- **Give some resources to make food?**

Resources are things that are really important for us and they satisfy our need.

Natural



Man-Made



**Resources are things those are very important for us.
For example:**



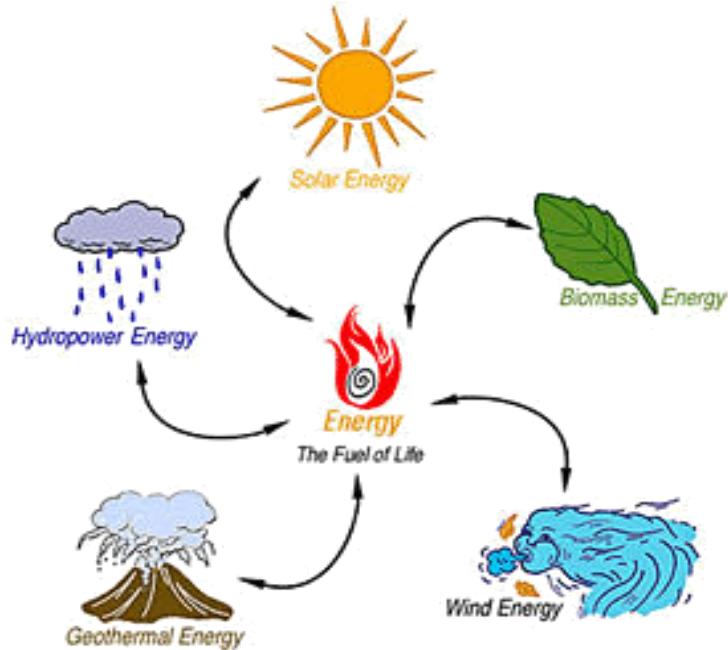
Natural resources:

Resources that are available in nature like air, water, minerals, forest, wildlife etc.

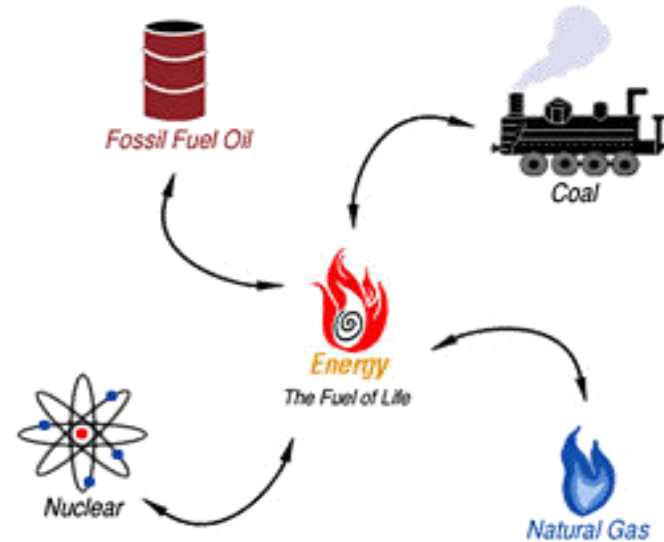


There are two types of resources and non-renewable resources.

Renewable Energy



Non-Renewable Energy



Renewable Resources:

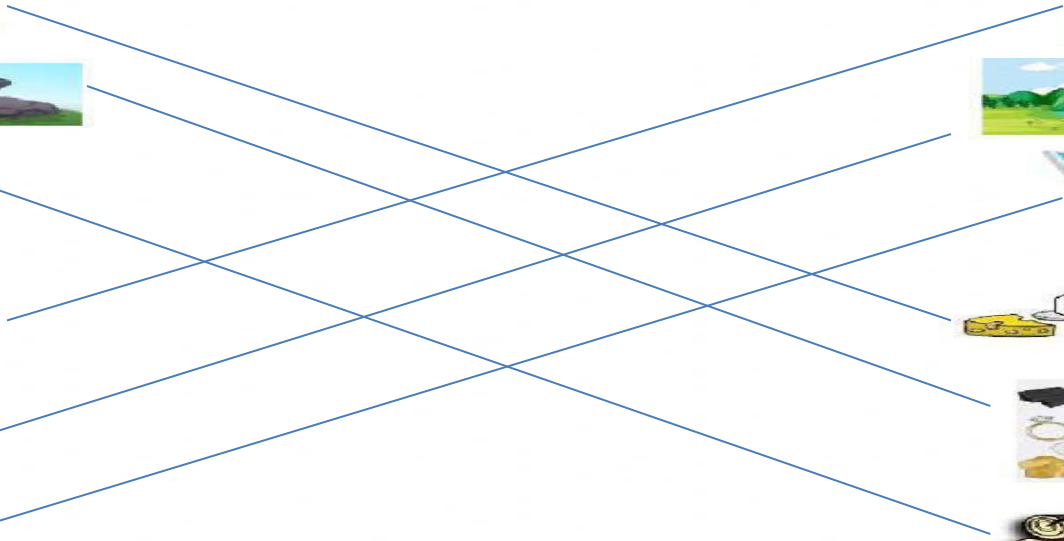
Those resources which can be replenished in a short period of time like air, water and sunlight etc.

Non-renewable resources:

Those resources which cannot be replenished within a short period of time like (minerals- coal, petroleum, metals etc.

Activity:

Look at the pictures and match to the products we obtain from them:



DID YOU KNOW: Ganga Action Plan:

The Ganga Action Plan was launched by Rajiv Gandhi in 1986 in order to reduce the pollution load on the river.

Human Waste: Domestic waste like bathing, public defecation etc.

Industrial waste: Dumping untreated waste to it.

Religious events: Due to religious events people used to dump ashes, flowers, idols etc which leads to water pollution.



Let's learn and value our natural resource.



Summary:

- **There are valuable things in the nature that is necessary for us.**
- **Natural resources are given by the nature. For example: Air, Water etc.**
- **There are two types of resources:**
- **Natural resources and Man-made resources**
- **Natural resources are also two types:**
- **Renewable resources and Non-renewable resources.**
- **We should not waste our natural resources and use it wisely.**

HOMWORK



Write the difficult words in the notebook.

LEARNING OUTCOME:

Children will be able to know:

- **About the meaning of natural resources.**
- **Sources of natural resources.**
- **Renewable and non-renewable resources.**
- **How to save our natural resources.**

THANKING YOU
ODM EDUCATIONAL GROUP

SESSION :3

CLASS :04

SUBJECT : SOCIAL SCIENCE

CHAPTER NUMBER: 9

CHAPTER NAME :NATURAL RESOURCES

**SUBTOPIC : SHORT Q/A: FILL IN THE BLANKS, TRUE OR FALSE,
MCQ, LONG QUESTION AND ANSWERS**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVES:

Children will come to know

- **About the meaning of natural resources.**
- **Sources of natural resources.**
- **Renewable and non-renewable resources.**
- **How to save our natural resources.**

A. Fill in the blanks.

1. Plants get _____ and _____ from the soil.

Ans. Water and mineral salts

2. Sunlight is a _____ natural resource.

Ans. renewable

3. Coal, petrol and diesel are known as _____.

Ans. non-renewable

4. _____ are hard and shiny substances obtained from minerals.

Ans. metals

5. Petrol and diesel are obtained from the mineral _____.

Ans. petroleum

B. Write T for true and F for false sentences.

1. Natural resources are both living and non-living.

Ans. True

2. Water is a non-renewable resource.

Ans. False

3. Humans have planted trees to make forests on the Earth.

Ans. False

4. Cattle is a non-renewable resource.

Ans. False

5. Mineral resources will never get exhausted as they are being continuously made under the Earth.

Ans. False

D. Multiple choice questions.

1. Which of these resources will not run out because they are constantly renewed by nature in a reasonable amount of time?

- a. gold b. petroleum c. coal **d. Plants**

2. Which of these will get exhausted because nature takes a long time to renew them?

- a. Forests b. animals **c. coal** d. Water

3. Forests provide us with:

- a. Oxygen b. paper c. medicines **d. all of these**

4. Which of the following sources of energy will always be available to us?

- a. solar energy** b. petroleum c. natural gas d. Coal

Answer the following questions

1) What are natural resources? Name four natural resources.

Ans. There are many valuable things in nature that are necessary for us to live on this Earth.

Example- air, water, soil, forests, animals and minerals.

2. What is the difference between renewable and non-renewable resources?

Ans.

Renewable resources	Non-Renewable resources
Those resources that will either never run out or constantly renewed by natural processes.	Those resources which once used up, are exhausted and are either not renewed by nature or renewed very slowly over millions of years.
Example - Sun, Water	Example - Coal, Petroleum

3. List four uses of soil. Which use, in your opinion, is the most important?

Ans. Three uses of soil are:

- a. Soil is used to make building materials such as bricks and cement.
- b. Soil is home for many big and small animals.
- c. Soil is used to grow crops.
- d. Soil is used to make vases.

4. Name four products that we get from forests.

Ans. Four products that we get from forests are:

- a. wood
- b. paper
- c. medicine
- d. oxygen

5. Name two metals and two other substances that we get from minerals.

Ans. Two metals that we get from minerals are:

a. gold

b. silver

Other substances from which we get minerals are:

a. diamonds

b. limestone

6. Name two minerals from which we get fuels.

Ans. Petrol and diesel are two minerals from which we get fuels

7. Why is it important to save minerals such as coal and petroleum?

Ans. It is important to save minerals such as coal and petroleum because these minerals resources are non-renewable, once used up it will not be available to us anymore.

Value based questions

- 1. Write three ways to conserve natural resources. What are the benefits of conserving natural resources**

Ans. The three ways to conserve natural resources are:

- a. Reduce, Recycle, Reuse.**
- b. Use long lasting bulbs.**
- c. We should always try to plant trees.**
- d. We should not pollute our environment.**
- e. Avoid waste of food and water.**

Q2. Water is a renewable resource. Yet, we always told to save water. Why this is so?

Ans. Water is a renewable resource but we need to save it because:

- a) Only 2% of the Earth's fresh supply of water is there.**
- b) Demand of water is increasing due to population.**
- c) Many water resources like rivers, ponds lakes etc getting polluted.**
- d) Overuse of water leads to water shortage.**
- e) Many places receives low rainfall.**

HOMEWORK

Draw any one cartoon character in the project record and decorate it with non-renewable resources.

LEARNING OUTCOME:

- **Students will be able to describe the uses of soil.**
- **Students will know that soil is an important natural resource.**

THANKING YOU
ODM EDUCATIONAL GROUP

SESSION : 2

CLASS :04

SUBJECT : SOCIAL SCIENCE

CHAPTER NUMBER: 9

CHAPTER NAME :NATURAL RESOURCES

**SUBTOPIC : SOIL, WATER, FOREST, ANIMALS, MINERALS AND
FUELS**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVES:

Children will come to know

- ❖ **Soil is the loose uppermost layer on the Earth's surface.**
- ❖ **Soil is the home for many animals.**
- ❖ **Uses of soil.**
- ❖ **Soil is an important renewable resources.**

Warm up:

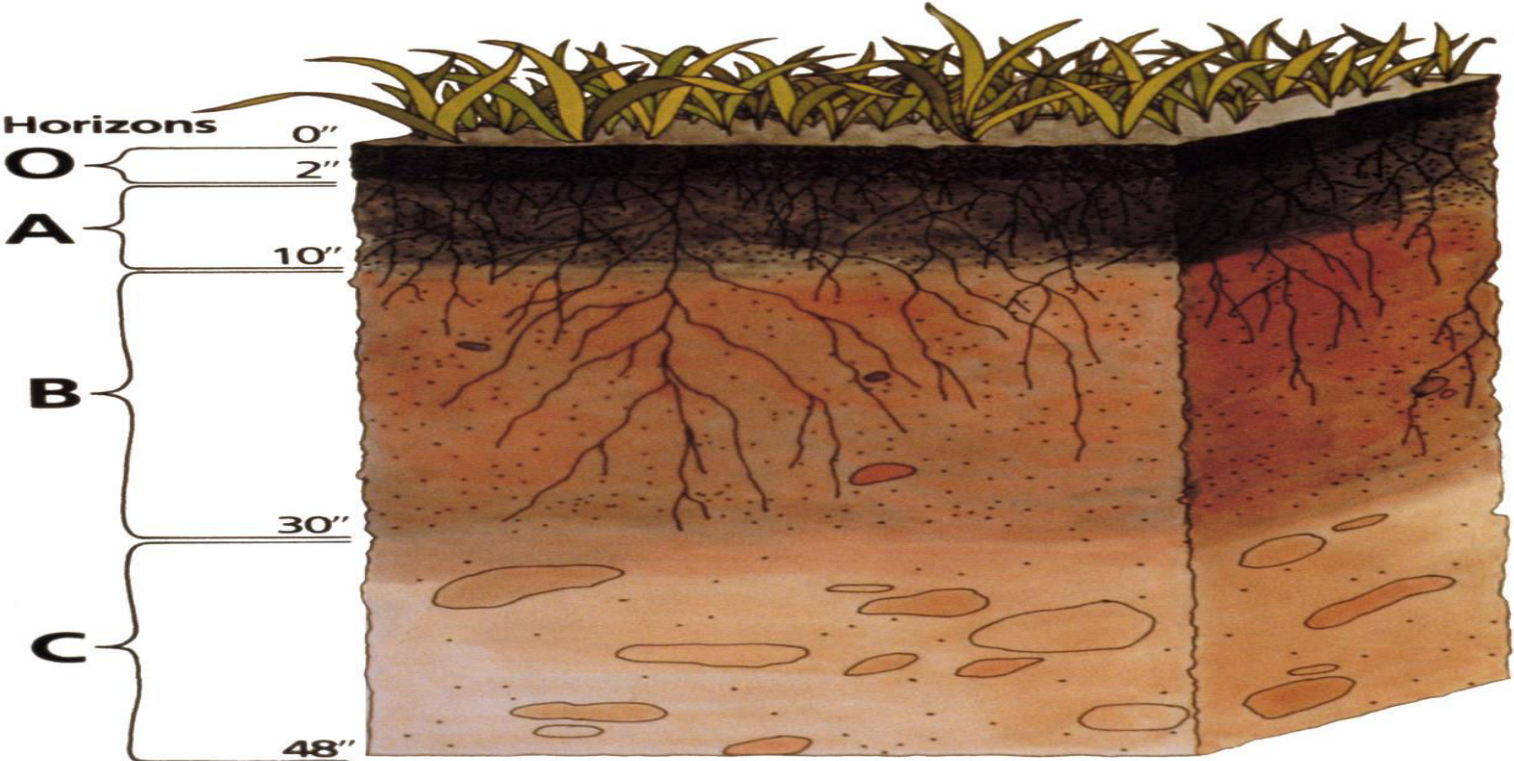
- **How many of you have gardens?**
- **What kinds of plants do you have in your garden?**
- **What are the essentials things for growth of your plant?**
- **Without soil can a plant grow?**
- **What kind of soil is needed for a healthy plant?**
- **How can we make the soil fertile?**
- **Can anybody share, how we make manures at home?**

How soil forms?

- Soils are formed by a slow process that takes place.
- This weathering process begins with the breakdown of rock.
- Weathering can start with wind and rain blowing against mountains.
- Rain cracks the smaller boulders into even smaller pieces.



Soil is the uppermost layer on the Earth's surface.



- **Plant grow in soil.**
- **They get water and mineral salts from the soil.**
- **All living things depend on soil for their food.**
- **Many animals live in soil.**
- **Insects such as earthworms and Ants, and bigger animals such as mice and rabbits, live in the soil.**



Humans depend on the soil for many things.

- We grow different kinds of cereals, vegetables and fruits on the soil.
- We use soil to make buildings materials such as bricks and cements.
- We use clay obtained from soil to make pots and utensils.
- Soil is an important renewable natural resource.



Water

- Water is a renewable natural resource essential for life.
- Humans, animals and plants all need water to live.
- We need water to drink, bathe, wash, irrigate fields and for many other purposes.
- Water is a precious resource.
- We should not waste water.



Water

is life

- Conservation and management of water are essential for the survival of mankind, plants and animals

Forest

- Forest is a large area of land where there is a thick growth of trees and other plants.
- In a forest, plants grow on their own.
- The kinds of plants that grow in a forest depends on the climate and soil of that place.

Uses of forest: They provide us

- Wood
- Medicines
- Paper
- Oxygen



- **To save a forests, trees should be cut in a planned way.**
- **For every tree cut, several new trees should be planted, so that the forest cover is not reduced.**



Animals:

- Animals raised by us for our use are known as livestock.
- They are useful to us in many ways and are important natural resource for us.
- Some animals are raised by humans are cattle.
- For examples:
 - Cows
 - Buffaloes
 - Sheep
 - Goat
 - Camel
 - Hens
 - Duck
 - Fish
 - Other water animals



Minerals and Fuels

Rocks on the earth are made up of substances called minerals.



- Minerals are another important natural resource.
- The minerals obtained from the Earth are in an impure form.
- They are purified and used to make a number of things.

We get metals such as:

- Iron
- Copper
- Aluminum
- Gold
- Silver



- ❖ Metals are shiny as well as hard.
- ❖ We also get other substances such as diamonds.
- ❖ Mica and limestone from minerals.



Fossil Fuel

teachoo.com

Fossil + Fuel = Fossil Fuel



Remains of
dead Plants
& Animals



Material
burnt to
produce heat

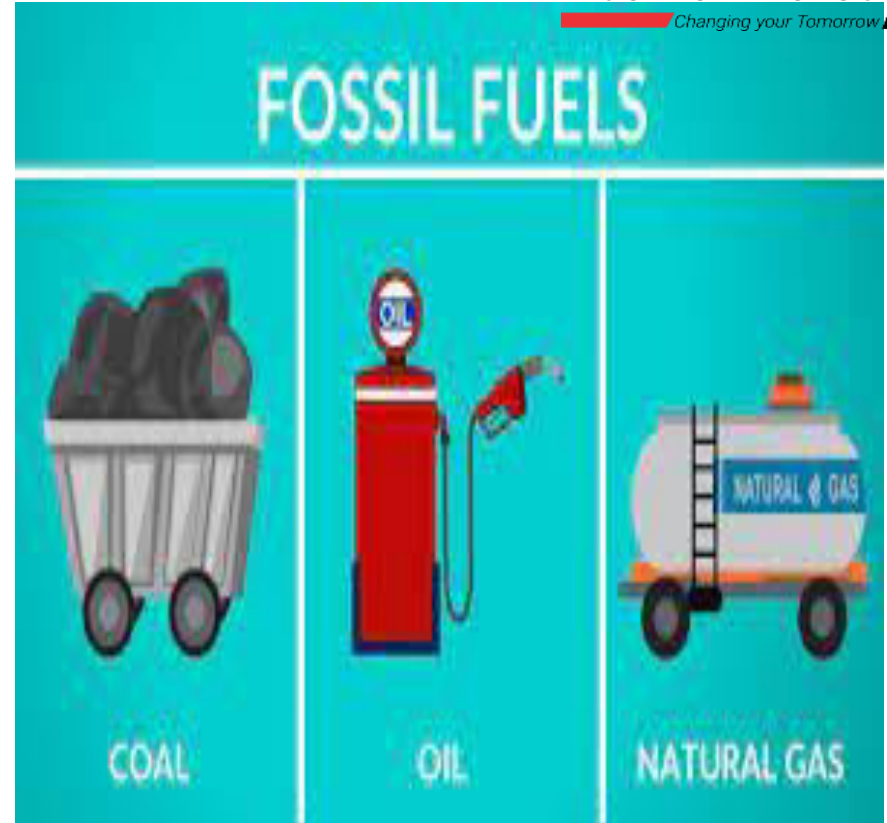


Fuel obtained
from dead Plants
& Animals

Fuels

Fuels such as petrol, diesel, natural gas and coal are also obtained from the Earth.

Petrol, diesel and natural gas are obtained from petroleum.



- ❖ The mineral resources on the Earth are non-renewable.
- ❖ Once used up they will not be available to us anymore.



Iron

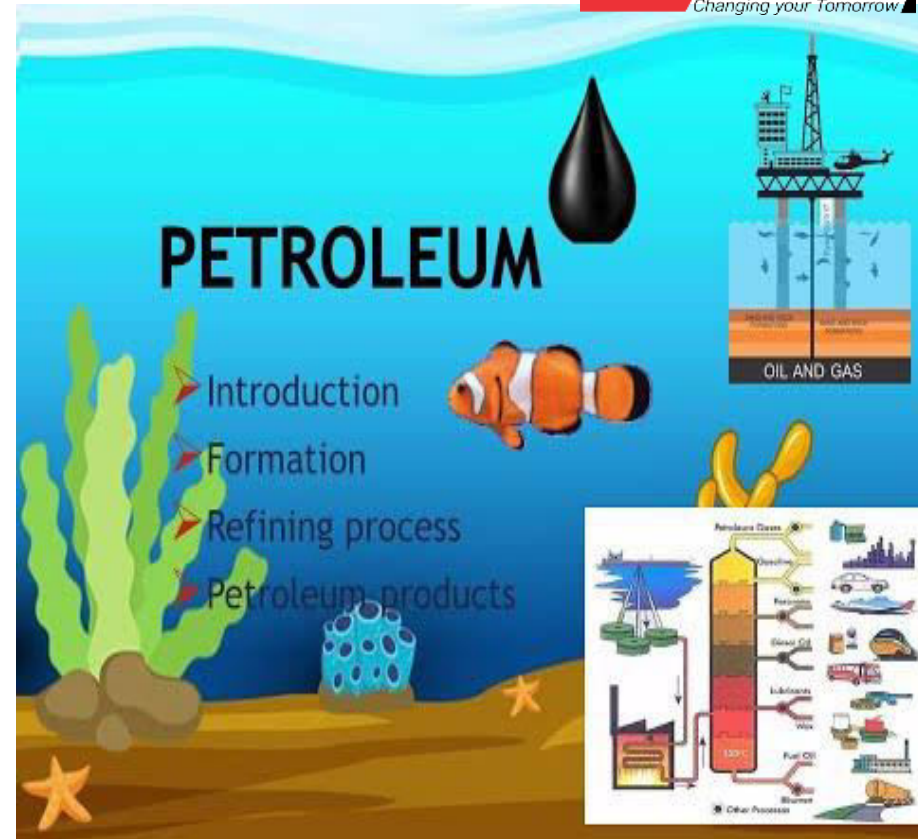


Copper



Gold

- ❖ Petrol, diesel and natural gas are obtained from petroleum.
- ❖ The mineral resources on the Earth are non-renewable.
- ❖ Once used up they will not be available to us anymore.
- ❖ Minerals such as coal and petroleum, which give us fuels for providing energy, are being used up rapidly.
- ❖ We should use these resources carefully and not waste them.



Ways to conserve fuels:

To save natural resources, follow the three “R”s:

- ❖ Reduce
- ❖ Reuse
- ❖ Recycle.



HOMEWORK

Write the name of one natural resource and its uses in the notebook.

LEARNING OUTCOME:

- Students will be able to understand how the environment influences plant growth and ways to conserve our forest wealth.
- Students will be able to understand the wildlife habitat is also connected to forest life.

Reference links:

<https://youtu.be/JnWOdsUbLEo>

<https://youtu.be/JYnKdUstcAQ>

LEARNING OUTCOME:

Children will be able to know

- **Soil is the loose uppermost layer on the Earth's surface.**
- **Soil is the home for many animals.**
- **Uses of soil.**
- **Soil is an important renewable resources.**

THANKING YOU
ODM EDUCATIONAL
GROUP