

SESSION : 2
CLASS : III
SUBJECT : SCIENCE
CHAPTER NUMBER : 3
CHAPTER NAME : PRECIOUS SOIL
SUBTOPIC : WHAT DOES SOIL CONTAIN?

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE :

Learner will be able to know -

- What does soil contain? and
- What is humus?

LET'S RECAPITULATE

- In the beginning the earth was a hard rock.
- The Sun heated the rock, the rain cooled it, the wind blew over it.
- As a result the rock broke up into small pieces. The small pieces further broke into smaller pieces.
- They were carried around by wind and water. The pieces rubbed against each other till they became tiny particles of soil.
- Different soils have different colours.
- The soil is home to millions of tiny insects, snails, slugs and earthworms.



Beetles



Snail



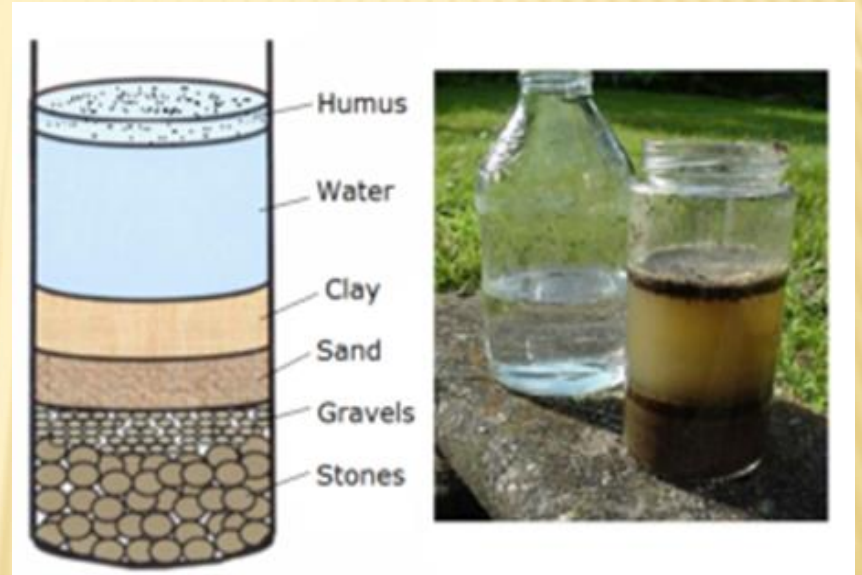
Slugs



Earthworm

WHAT DOES SOIL CONTAIN (ACTIVITY : 1)

- Take some soil from the garden. Put it into an empty jar. Fill the jar with water. Cover it with lid and shake well. Allow the mixture to stand for fifteen minutes. Now look at the jar carefully.
- The stones settle down at the bottom.
- The grains of sand are seen above the stones.
- The clay settles down above the sand.
- The water above the top layer is not very clear which contains parts of dead plants and insects. This is called humus. This experiment shows that soil contains humus, clay, sand and stones.



SOIL CONTAINS WATER (ACTIVITY : 2)

- Put some soil in a small tin. Cover it with a lid. Heat the tin on a low flame. Open the lid.
- You can find drops of water deposited on the lid.

This below experiment shows that soil contains water.

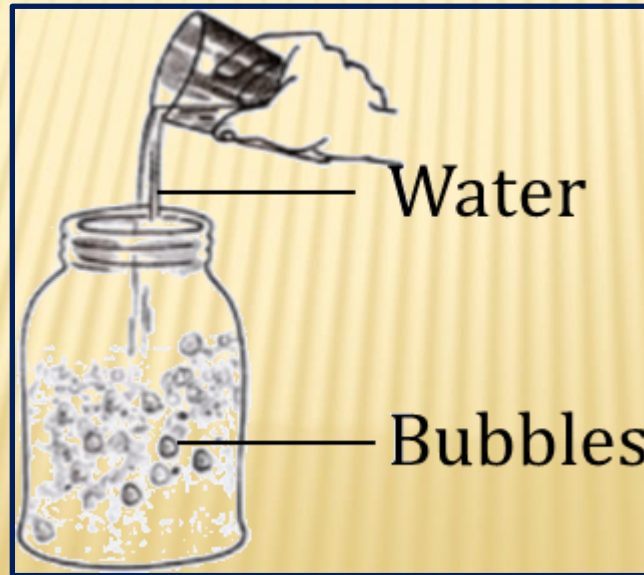


SOIL CONTAINS AIR (ACTIVITY : 3)

Put some soil in a glass jar. Pour water over it. You will see

● The bubbles float up.

This below experiment shows that air which was trapped in the soil escapes in the form of bubbles.



A.UNSCRAMBLE THE LETTERS TO MAKE A MEANINGFUL WORD.

UNSCRAMBLE	ANSWER
STREUMOI	MOISTURE
MUUHS	HUMUS
SENSTO	STONES
YALC	CLAY
DSAN	SAND
BBUBLES	BUBBLES

B. Answer the following:

1. What is humus?

Ans. The dead parts of plants and animals are called humus. This makes the soil rich and fertile.

2. What does soil contain?

Ans. Soil contains humus, clay, sand, gravel and stones.

3. How the soil is formed?

Ans. Soil is formed by the action of the sun, the rain and the wind.

LEARNING OUTCOME :

The learner will be able to know -

- How soil is formed from rocks? and
- What soil is made up of?

HOME ASSIGNMENT

- Draw and label what does soil contain in Project Record.

THANKING YOU
ODM EDUCATIONAL GROUP