

Modified In-School Off-School Approach Modules (MISOSA)
Distance Education for Elementary Schools
SELF-INSTRUCTIONAL MATERIALS



CAUSES OF SOIL EROSION



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CAUSES OF SOIL EROSION

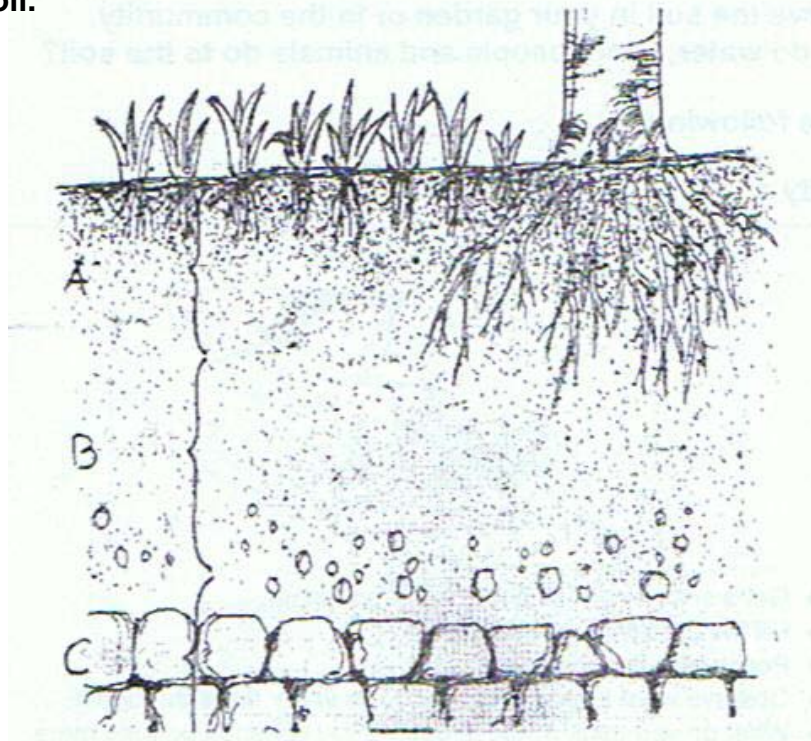
At the end of this lesson, you will be able to:

- Identify causes of soil erosion (e.g. running water, wind, animals, activities/practices of people, etc.)



Try to Recall

A. Below is an illustration of the soil. Identify and label the three layers of the soil.

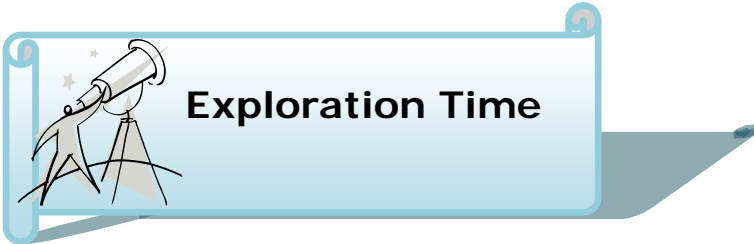


B. Read the sentences. Arrange the jumbled letters to know what it describes. Write the answers in your notebook.

1. A fertile soil which contains the decayed (M U S U H) remains of plants and animals.
2. The uppermost layer of the soil. (S O I L P O I)



3. The layer of the soil which contains solid rocks. (B R O C K D E)
4. The layer of soil which is made up mostly (S O I L U B S) of clay, sand and pebbles.



Observe the soil in your garden or in the community. What do water, wind, people and animals do to the soil?

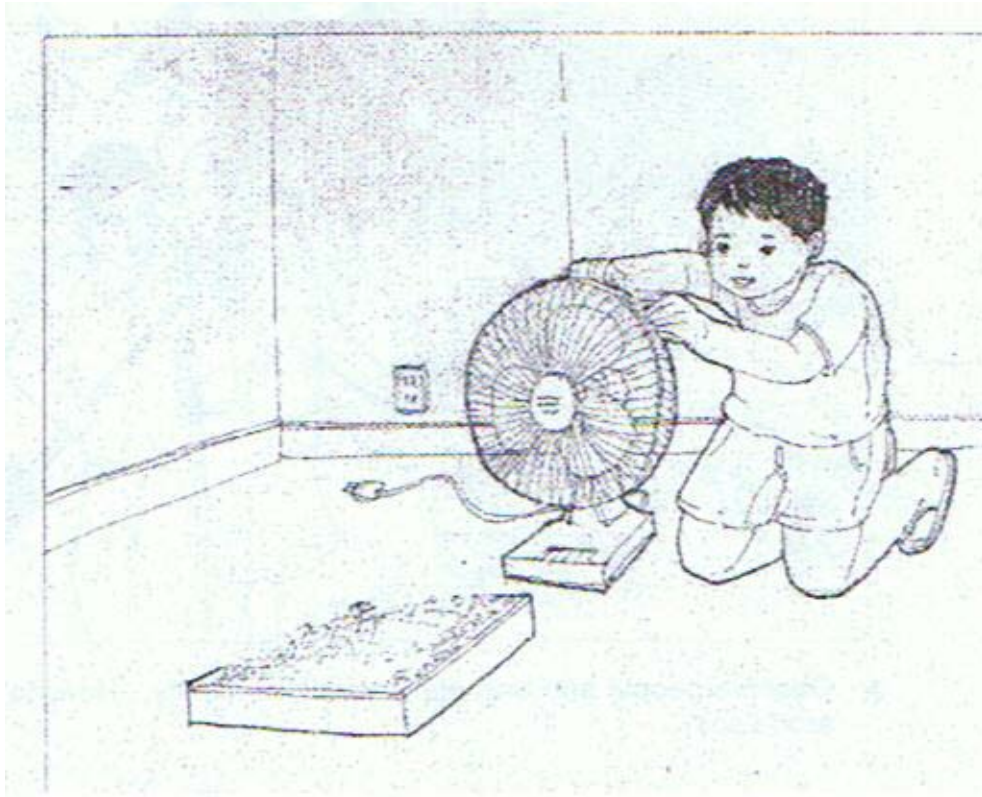
Do the following.

Activity 1



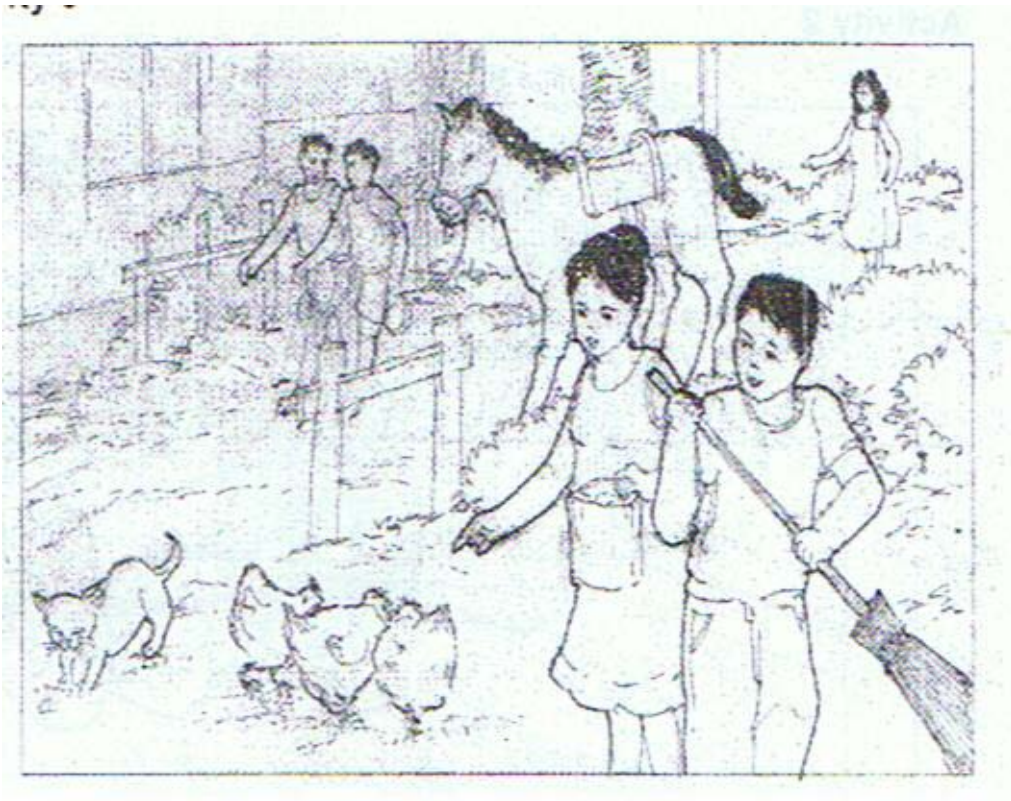
- Get a shallow box or any shallow container.
- Fill the container with soil.
- Pour water into the soil.
- Observe what happens to the soil as water flows through it.
- What do you think would happen if you continue pouring more water into the soil?

ACTIVITY 2



- Put dry sand or soil in a shallow box or any container.
- Put the container on top of the table.
- Turn on the electric fan.
- Observe what happens. If you do not have an electric fan, you may use an ordinary hand fan.

Activity 3



- Observe people and animals in your community. How do they erode soil?

READ AND LEARN MORE:

Erosion is the moving away or carrying away of soil. Soil may be carried away by water, wind, people and animals.

Soil will move as water flows through it. Rain water can also cause erosion. Food also carries soil with it.

Wind can cause soil erosion. When it blows, it carries away particles of sand. Sometimes, you notice dust on your cabinets, tables and furnitures. The dust you found has been brought there by the wind. Wind can move and carry away particles of soil.

Do you observe particles of mud sticking on the soles of your shoes and slippers? People carry away soil from one place to another through the footwear that they are using.

Men who worked in a construction can also cause soil erosion. They dig into the ground to lay the foundation of the building. Men who construct roads moved too much soil just to construct new roads. Blasting the mountainside causes soil erosion. Rice fields and fishponds are converted into residential area. People do different activities that cause soil erosion.

Animals in the community cause soil erosion. Some of them move soil from one place to another through their hooves. Some of them do activities that erode the soil.



I learned that:

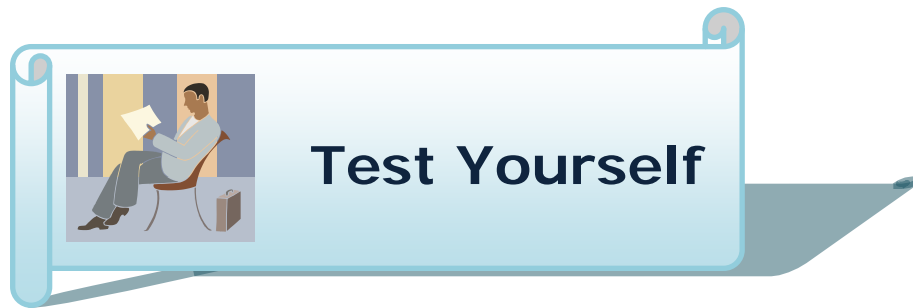
- ◆ Moving water erodes the soil.
- ◆ Wind erodes the soil.
- ◆ People and animals cause soil erosion through their activities.



Apply It

Activity 1: Do the following. Write your answer / explanation in your notebook.

1. Observe your chairs, furnitures and tables. Wipe them using a white rag. After wiping observe the rag. Why is it that the rag is dirty?
2. Go to your garden or yard. Look for places where soil is eroded. Identify the causes of soil erosion.
3. Observe animals in your community. Explain how do they cause soil erosion.




Activity 1. List down some activities of man that cause soil erosion.

_____	_____
_____	_____

Activity 2. Make a list animals and its activities that cause soil erosion. Write the answer in your notebook.

<u>Animal</u>	<u>Activity</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____



Congratulations for your efforts with this module. Share your experience and learnings with your classmates or friends.