

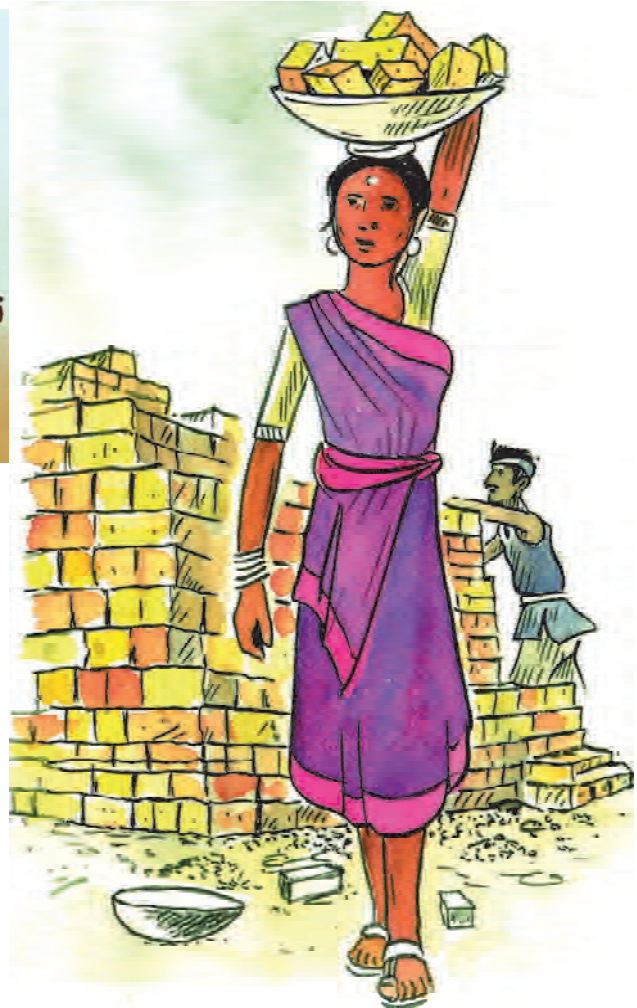
## Chapter - 9

# SOIL

There is soil all around us. Plants, trees & crops are grown in soil. Different types of utensils are also made from soil. Come, let's discover some more things about soil.

 **Tell -**

1. What is a pot made of?
2. What is a brick made of?
3. Which materials are used to build a Kachcha house?



Let's see how are they made -

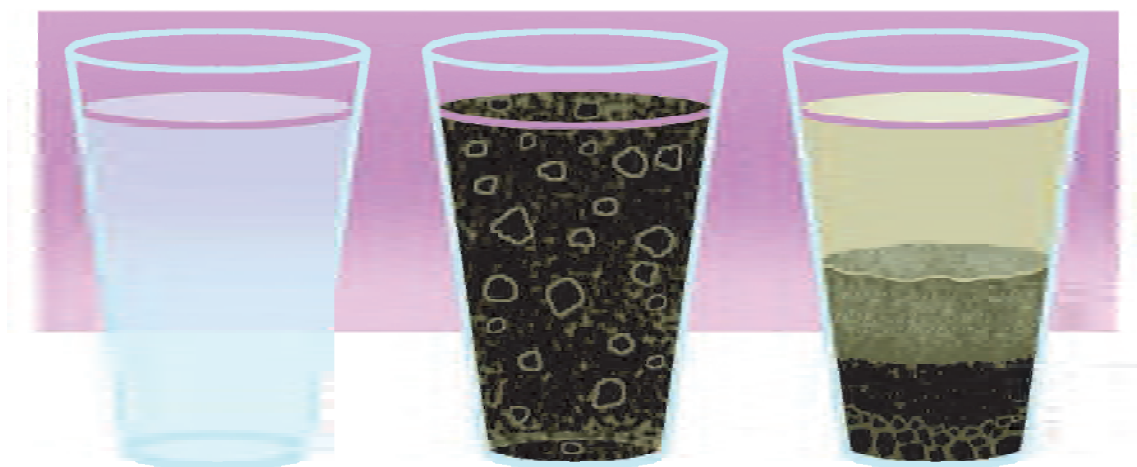
Are the soils of the same kind?

To find out do one thing -

Form separate groups and go to any pond, field, orchard, ground, river or a road with your teacher. Take two-three polythene bags along with you and collect samples of different types of soil. Then separate and identify the different colours and characteristics of each soil in your class & fill in the table below-

Place	How you feel			Colour of the Soil
	Rough	Smooth	Sandy	
Field/Orchard				
Ground				
Pond				
River				
Road				

Come let's experiment and see-



Take a transparent glass. Fill it with  $\frac{3}{4}$  water. Now put the soil samples in the glass with water. After sometime (approx 20 min) see and tell what happens.

1. How many layers of soil can you see in the glass?
2. What is the shape of the particles of soil in the lowest layer?
3. What is the colour of water now?

From this experiment we come to know that soil is made up of many layers.

Many small creatures are found in soil. Do you know the names of insects found in soil? Write their names.

- |        |        |
|--------|--------|
| 1..... | 3..... |
| 2..... | 4..... |



### Let's do and see-

1. Take some dry soil on a paper and blow it softly. What happens?  
.....  
.....
2. Put some soil on the ground and pour a glass of water what happens?  
.....  
.....

The wind blows the upper layer of the soil. The flow of water also carries away the topmost layer of the soil. By planting trees and plants we protect the soil from blowing & flowing away.

We use some articles made of clay in certain festivals. Write the names of such items in the given table-

S.No.	Names of festivals	Items made of clay
1.	Diwali	
2.	Pola	
3.	Akshya Tritya	
4.	Navratri	

Now divide yourself into equal number of groups and make some clay toys.

Fill their names in the table below-

S.No.	Names of Toys	S.No.	Names of Toys
1.		5.	
2.		6.	
3.		7.	
4.		8.	

It takes many years to form soil.  
So we must protect soil.



### What have we learnt?



### To be taken up orally

1. Name the clay utensils made by a potter.
2. Name the creatures that make their home in soil.
3. Name the clay toys made in Pola.



### Written task

1. Write the uses of soil?
2. Which clay items are used in the festival of Deepawali? Give two names.
3. Make pairs -

Earthen Pots

Red Soil

Murum

Soil

Deepavali

Potter

Earthworm

Earthen lamps



### Let's look around

1. Make two earthen toys and colour them.
2. Name the clay items that you see in your house.