

UNIT

9

THE EARTH

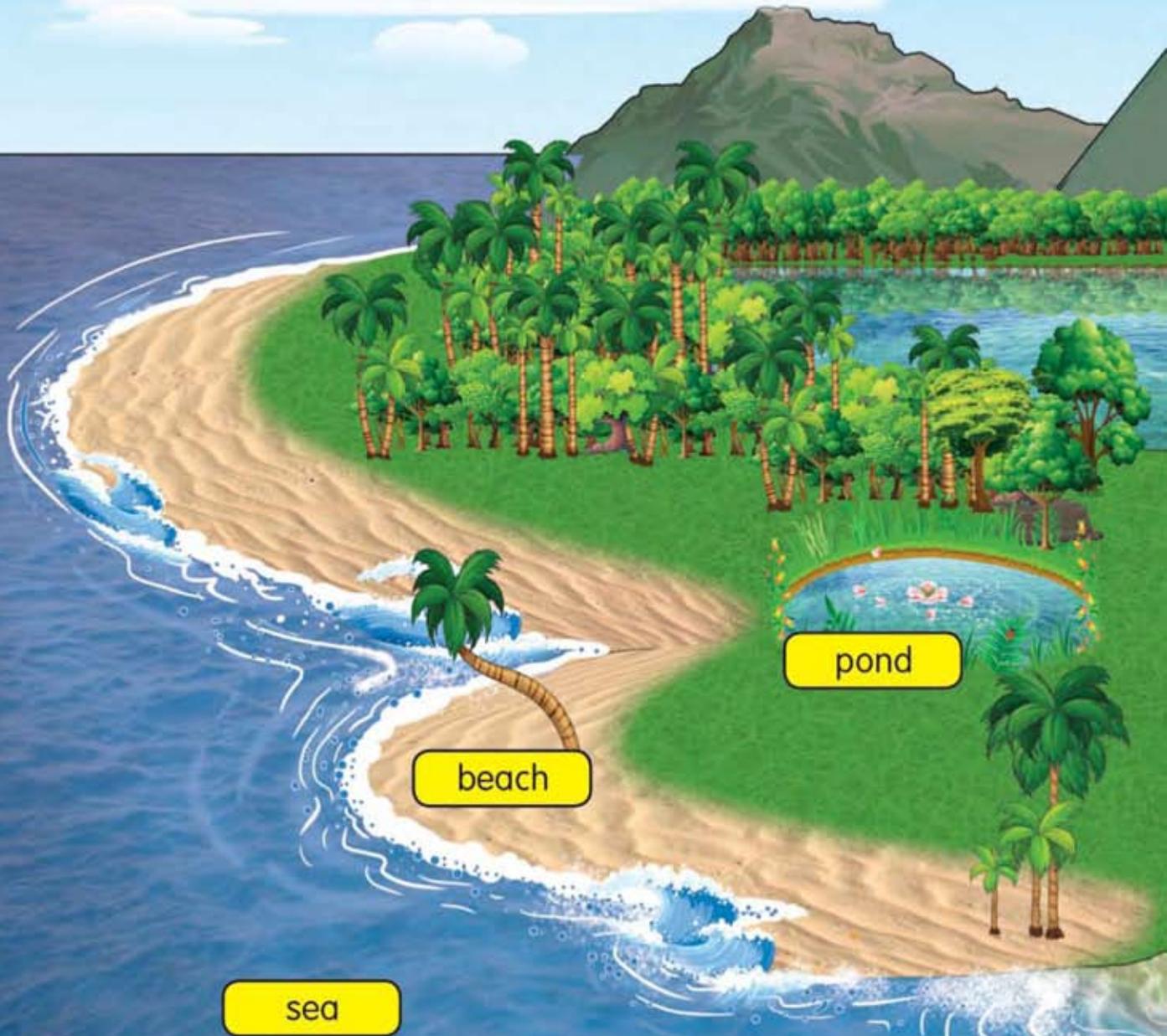


What a beautiful Earth!
What can you observe in the picture above?



Landforms

What landforms can you see in this picture?



9.1.1



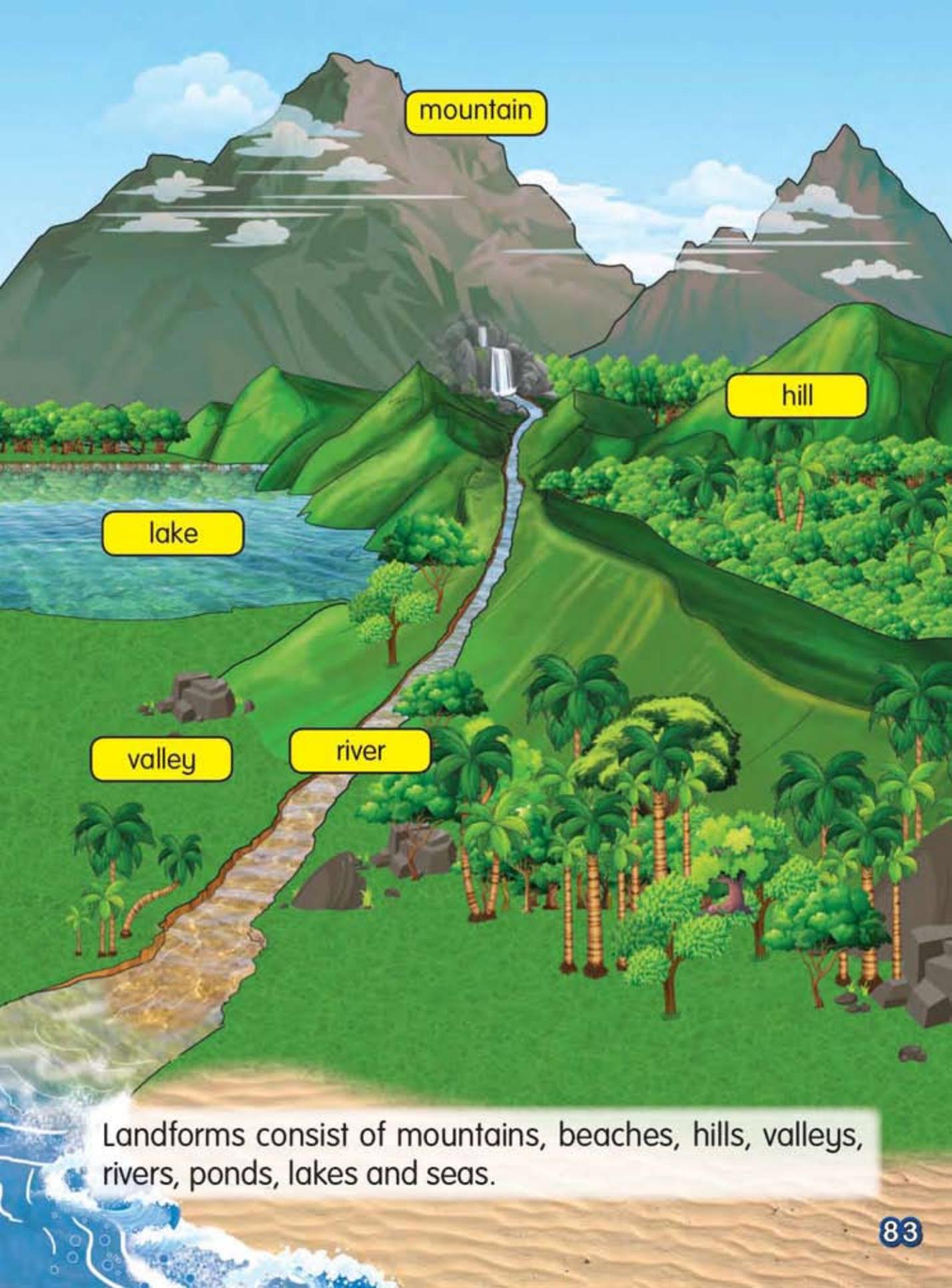
Teacher's Info

- The valley is a low land at the sides of a river, foot of a mountain or base of a hill.

Activity Book

Pages:

57-58



mountain

hill

lake

valley

river

Landforms consist of mountains, beaches, hills, valleys, rivers, ponds, lakes and seas.



Creating

Landforms Model



APPARATUS AND MATERIALS



pencil



paper clip



paper plate



clay

(blue, green, yellow and brown)



white paper



marker pen



GROUP ACTIVITY

Steps



- 1 Sketch the position of landforms on a paper plate.



- 2 Construct the landforms using clay.



- 3 Make patterns of the landforms using a paper clip.



- 4 Label every landform.

- 5 Explain your landforms to the class.



QUESTION

Explain the landforms found in your model.

9.1.1
9.2.3



Teacher's Info

- The pupils can use other materials such as watercolour, stones, sand and small plants to decorate their landforms model.



Soil

There are several types of soil found on the surface of the Earth that are important for life. State the types of soil.



garden soil



clay



sand



HOTS

Where can these types of soil be commonly found?

9.2.1



Teacher's Info

- The soil samples used can be obtained from a vegetable farm, paddy field and seaside areas.

Activity Book

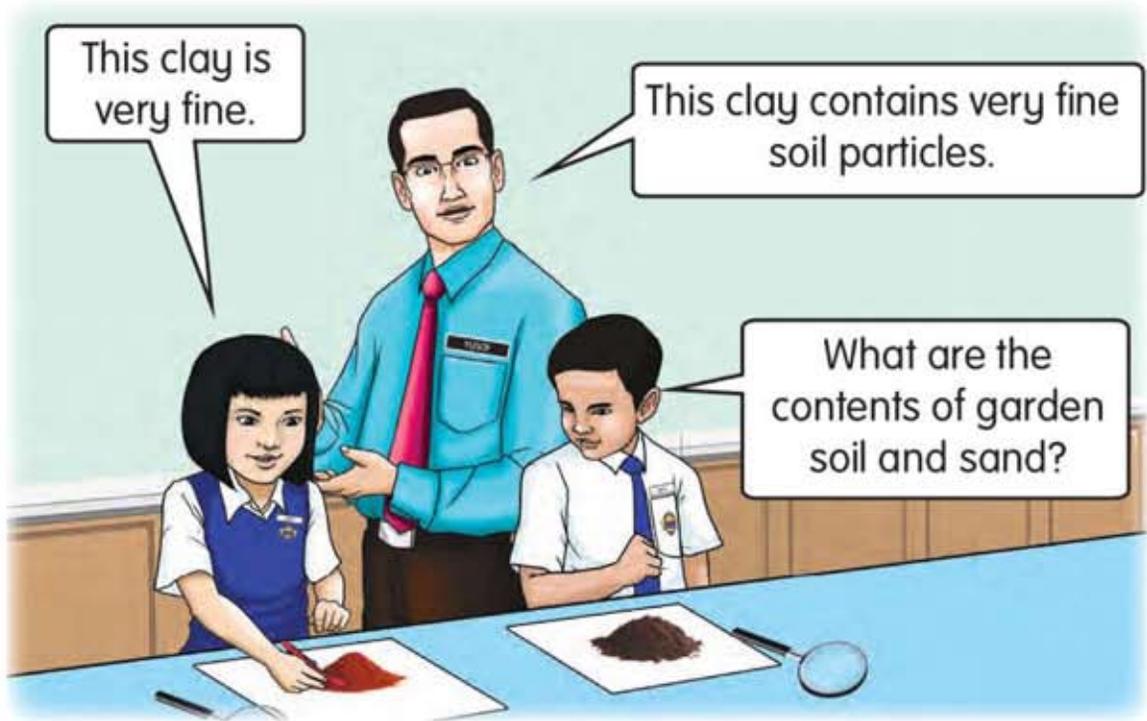
Pages:

59-62



Soil Content

Linda and Hafiz are investigating the contents of three types of soil.



Let us investigate the contents of garden soil and sand.



Let's Test

Contents of Garden Soil and Sand



APPARATUS AND MATERIALS



garden soil



sand



white paper



spoon



magnifying glass



forceps

9.2.2

Activity Book
Pages:
60-61



GROUP ACTIVITY

Steps



- 1 Line a table with paper.



- 2 Put two spoonfuls of garden soil on the paper.



- 3 Observe the garden soil using a magnifying glass.



- 4 Separate the garden soil according to its content using a pair of forceps.

- 5 Repeat steps 1 to 4 for the sand.

- 6 Record your observation in a table as shown below.

Type of soil	Soil content (✓)				
	Twig	Dry leaf	Stone	Sand particle	Small animal
Garden soil					
Sand					

QUESTION

What is the difference between the contents of the garden soil and the sand?

The garden soil contains sand particles, small stones, decaying plants and animals. The sand contains sand particles and small stones.

Teacher's Info



- Encourage the pupils to use gloves during this activity.
- Remind the pupils to wash their hands.



Let's Revise

1. What are the landforms shown in the following pictures?



2. State three types of soil found on the earth's surface.

3. This soil contains only very fine soil particles. What type of soil is this?



Recall

- There are eight landforms:
 - mountain - beach - hill - valley
 - river - pond - lake - sea
- There are three types of soil:
 - garden soil - clay - sand
- Garden soil contains twigs, dry leaves, stones, sand particles and small animals.
- Clay contains very fine soil particles.
- Sand contains sand particles and small stones.



Science Recreation

Simple Water Filter

- Produce a simple water filter using small stones and sand as shown.
- Test the water filter using cloudy water.

