

OUR ENVIRONMENT

BASIC SCIENCE

STUDENT'S BOOK

YEAR 2



Our Environment Science

Student's Book

Year 2



**Ministry of Education
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Note to the Teacher

This book contains pictures, drawings, diagrams and exercises designed to help pupils with activities in the Teacher's Guide.

With some activities there are questions and exercises for children to do, others have pictures they can look at and discuss.

The Student's Book is not intended to be used on its own and many of the activities need to be explained to the children.

You will find a note in the Teacher's Guide each time the Student's Book is used for an activity.

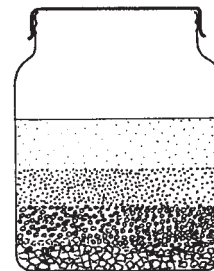
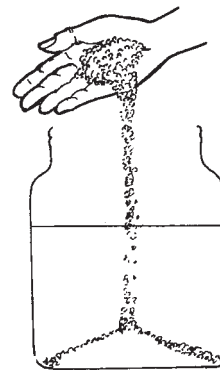
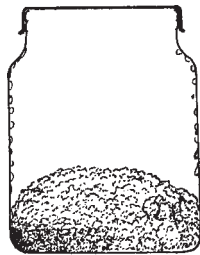
Separate Student's Books will not be available each year, so you should try to keep them clean and unmarked. Exercise books may be issued in which students can draw, colour, and write.

You are encourage to reproduce pictures and diagrams for students' use if necessary. Otherwise, children can copy or trace diagrams or tables into their exercise books.

1A : What soil is like

Activities 1, 2, 3, 11. Looking at soil

Tell your friend what you can see happening in each picture.



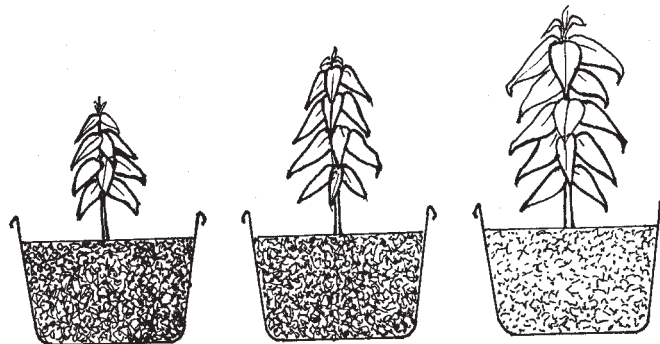
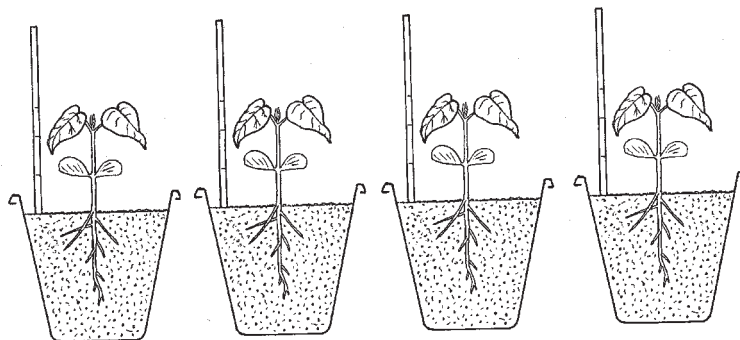
1B : Plants need good soil

Activities 1, 4, 6. Rich and poor soil

Which one is the biggest plant?

Which pot has the good soil in it?

What has happened to one of these plants?



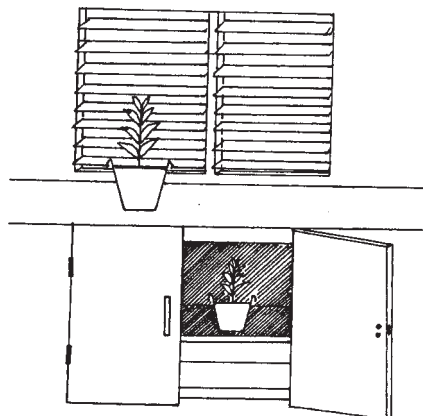
2A : The effects of heat

Activities 7, 9. Plants need sunlight

Tell your friend what has happened in each picture.

What has happened to the grass under the cardboard?

What do you notice about the two plants after a few weeks?



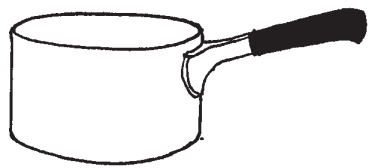
2B : Touching and feeling

Activities 1, 3, 6, 10. Hot and cold

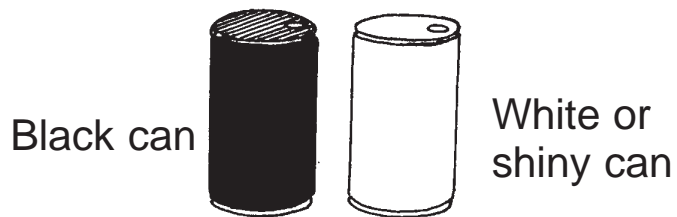
Tell your friend what is happening in each picture.



Hot Lukewarm cold



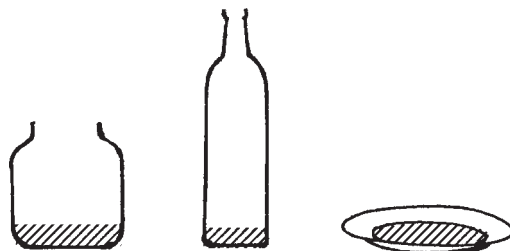
What are two different substances used for making a saucepan?



Black can

White or shiny can

Which can has the warmest water



Which water will disappear first?

3A : The difference between living and non-living things

Activities 1, 2. Is it living or non-living?
Tell your friend which of these things is living or non-living.

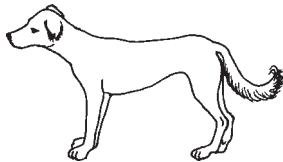


3A : The difference between living and non-living things

Activity 3. What do living things do?

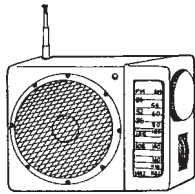
Copy this page into your book. Beside each of these things write down yes or no if it can do each thing.

Is a dog a living thing?



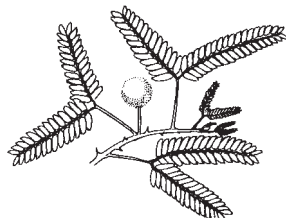
- Does it move?
- Does it have babies?
- Does it use food?
- Does it grow?
- Does it react?

Is a radio a living thing?



- Does it move?
- Does it have babies?
- Does it use food?
- Does it grow?
- Does it react?

Is a mimosa plant a living thing?



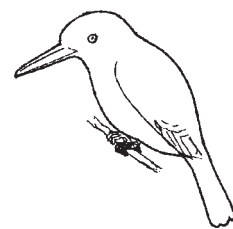
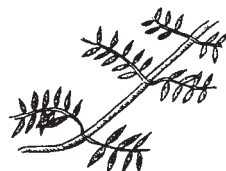
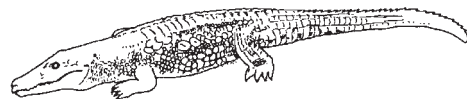
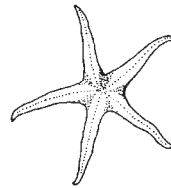
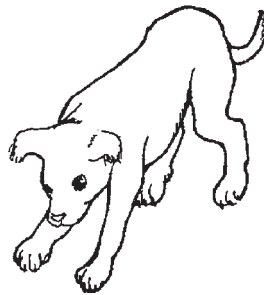
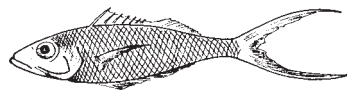
- Does it move?
- Does it have babies?
- Does it use food?
- Does it grow?
- Does it react?

3B : Kinds of living things

Activity 1. Where do they live?

In your book write LAND and WATER at each side of a page.

Write down the names of each of the living things shown here under land or water for the place where each one lives.

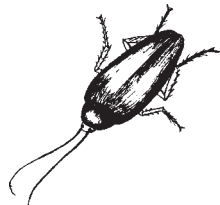
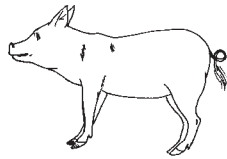


On another page write PLANT and ANIMAL and write down the names under the group to which it belongs.

3B : Kinds of living things

Activity 2. Movement of living things

Tell your friend how you could group these living things by the way each moves about.



3B : Kinds of living things

Activity 5. Having babies

Match each parent with its baby.

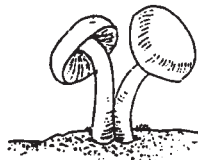
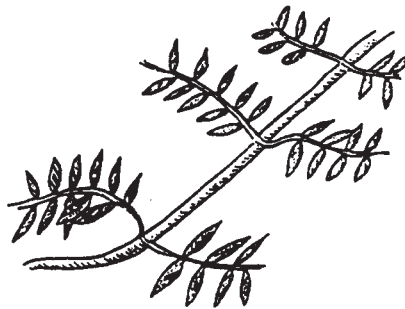
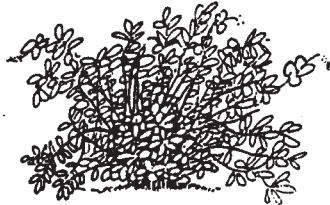
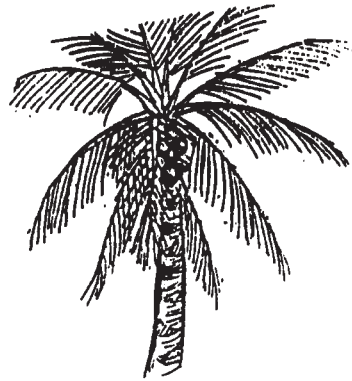


4A : The variety of plants

Activity 1. Walk in the school grounds.
Can you match the name with the correct picture?

vine
shrub
mushroom
tree

lichen
seaweed
grass



4B : Parts of a plant

Activity 10. Matching parts

Can you match the name of the part with the correct position on the tree?

flowers

fruits

leaves

branches

trunk

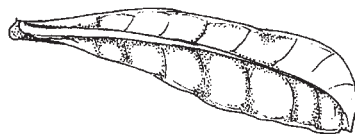
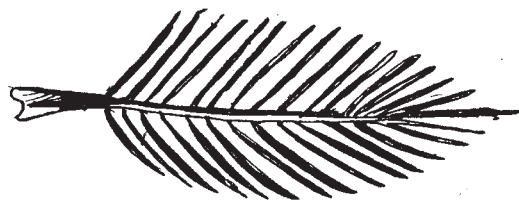
roots



4B : Parts of a plant

Activity 10. Matching parts

Can you match the correct leaves and seeds?

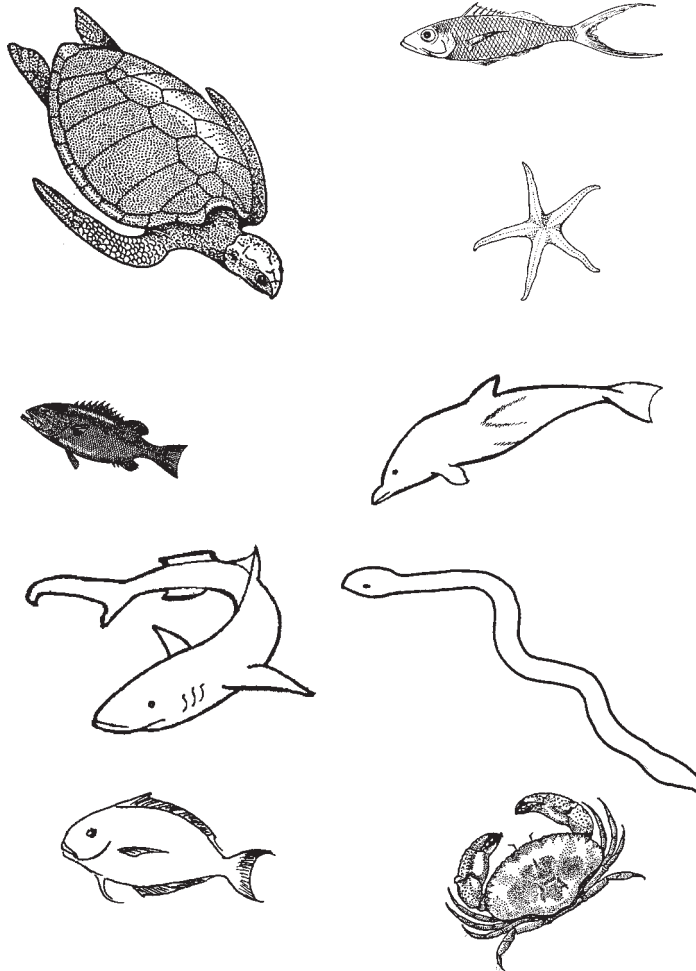


5A : Animals of the sea

Topic 5A: Animals of the sea

Activity 4. Fish

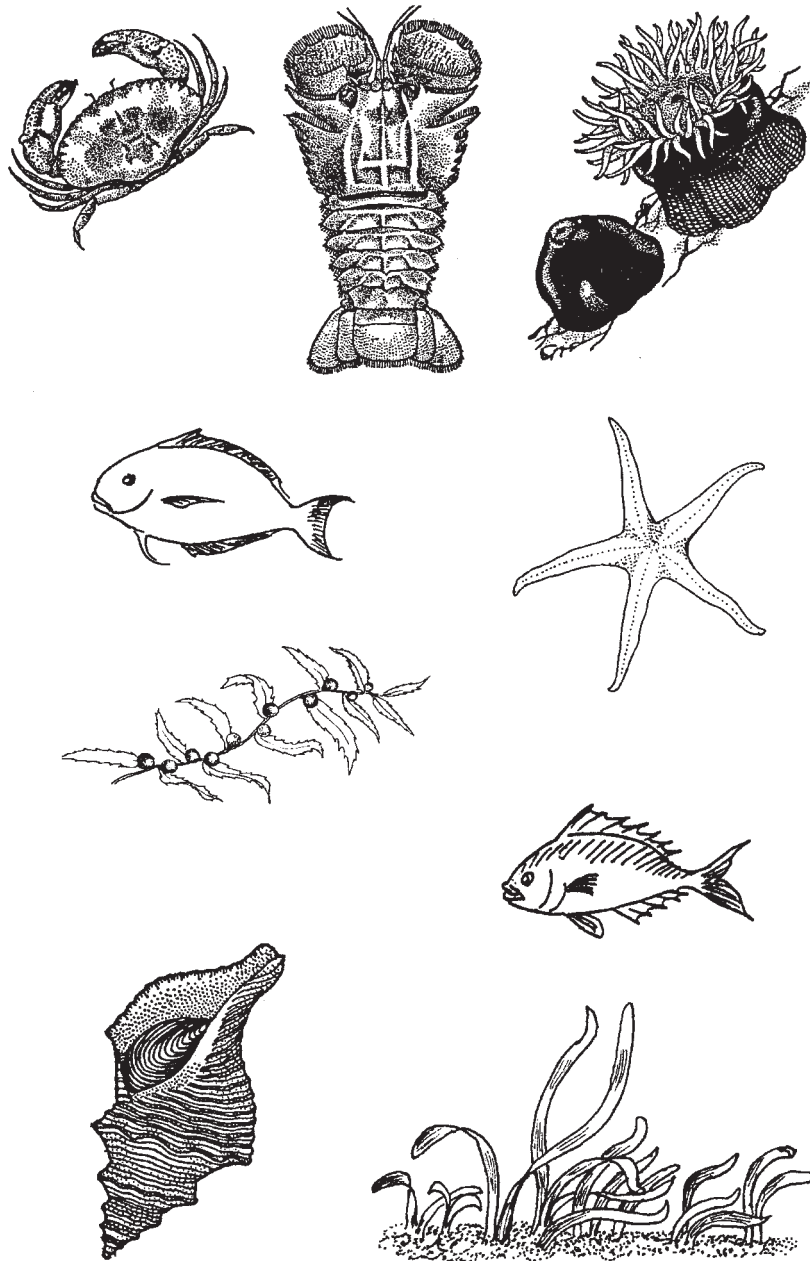
Can you tell which are fish and which are not fish?



5B : Animals and plants of the reef

Activity 3. Grouping

Divide these living things into groups.



6A : Eyes and ears

Activity 10. How well can you see?
Which one is your partner holding?

E

M 3

W E M

E 3 M W

M E M W 3

3 W 3 E M W

M 3 E W M 3 W E

6A : Eyes and ears

Activity 11. Who has eyes?

Which of these living things has eyes?

How many eyes does each one have?

