

ARROW

SCIENCE WORLD

INTRODUCTORY

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PREFACE

Science World by Arrow Publications Pvt. Ltd. is a six-level series for classes UKG and I to V designed with the objective of making the learning of science a joyful experience for the young learners. The content addresses the learners directly to make it interactive and learner-centred and attempts to establish a warm and friendly relationship between the learners and their environment. The series takes the learners on a fascinating journey to the amazing world of science, arouses their natural curiosity and nurtures their creative instincts.

The series aims to develop in learners habits of observation and exploration, the ability to think logically and draw inferences. A serious and conscious attempt has been made to link all the basic principles and concepts of science to the immediate environment and experiences of the young learners so that learning becomes relevant and meaningful.

The key features that make the series unique are :

- Graded content presented in a simple and lucid style to facilitate easy understanding of the concepts
- Colourful and lively illustrations which make the books a visual delight for the young learners
- **Did You Know** section in each lesson which adds to the information given in the lesson
- **Recall** in each lesson to help learners summarise the content in the lesson
- **Check Your Progress** to recapitulate and reinforce the concepts learnt in each lesson
- **Fun Activity** to make learning fun-filled, lively and interesting
- **Project Work** to engage the learners in meaningful activity
- **Oral Work** and **Hots** to develop logic and thinking skills
- **Improve Your GK** to encourage learners to gather more information on a given topic
- **Practice Papers** to help in continuous assessment
- **Fascinating Facts** to expose the learners to some interesting information beyond the textbook.
- Interactive CD-Rom to make learning interesting and child-friendly
- Teacher's Handbook that serves as a guide to the teachers.

We hope this series will equip learners with the necessary skills and knowledge and also serve to fulfil the larger goal of fostering a scientific attitude and a spirit of scientific inquiry in them.

Happy teaching and happy learning!

We are grateful to Mrs Padmini Sameeran for her valuable suggestions and guidance during the making of this series.

– *Publishers*

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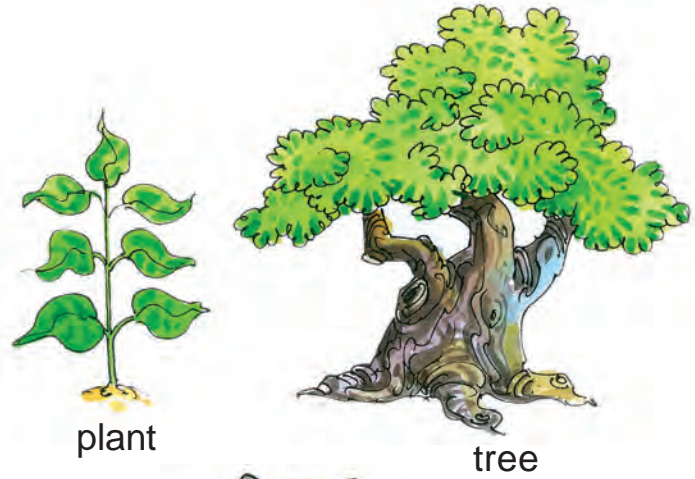
1. THINGS AROUND YOU

You see many things around you. Some are living things. Some are non-living things.



LIVING THINGS

Living things grow.



Living things need food, air and water to live.



Living things can move on their own.



People, plants and animals are living things.

NON-LIVING THINGS

Non-living things do not grow.

They cannot move on their own.

They do not need food, air and water.

Here are some non-living things.



house



car



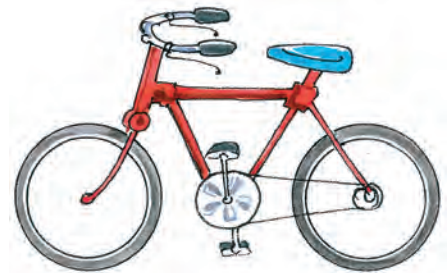
stone



table



book



bicycle

Now, look around you.

Can you name some living and non-living things?

POINTS TO DISCUSS (FOR THE TEACHER)

- * *You see living and non-living things around you.*
- * *Living things grow, move, and need food, air and water.*
- * *People, plants and animals are living things.*
- * *Non-living things do not grow or move on their own.*
- * *They do not need food, air and water.*
- * *Books, cars and houses are some non-living things.*

CHECK YOUR PROGRESS

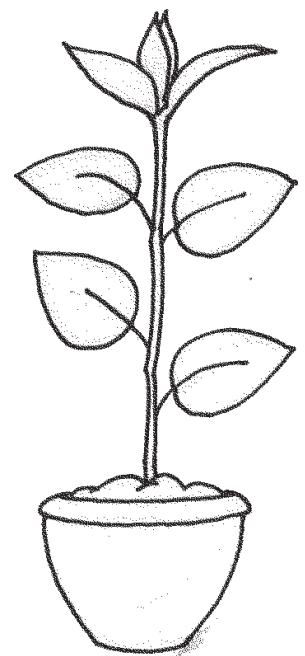
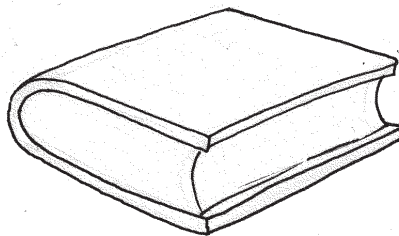
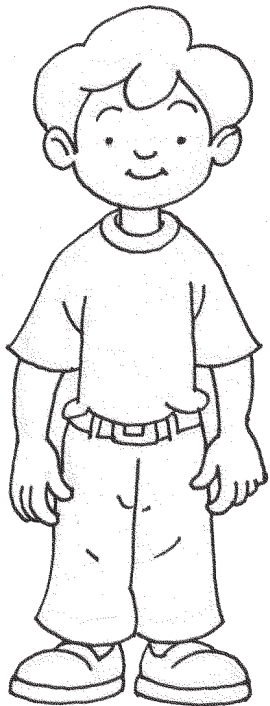
I. Questions for oral interaction

1. What are the two types of things around you?
2. What can living things do?
3. Name two non-living things.

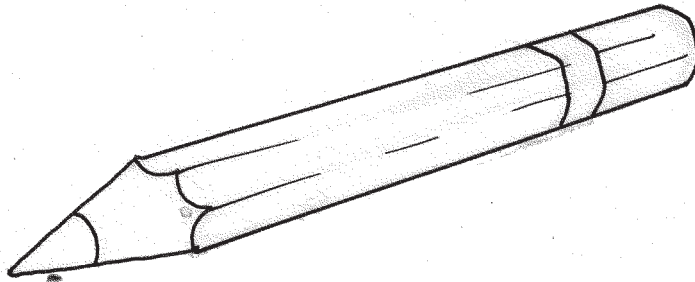
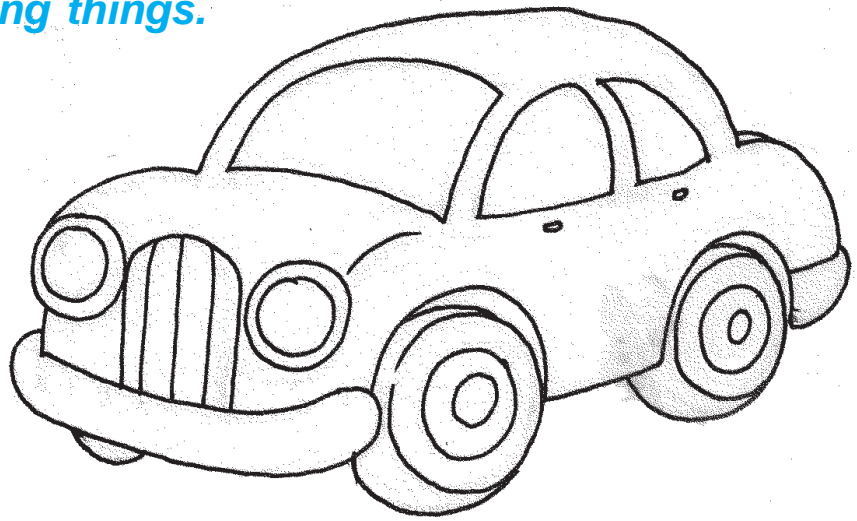
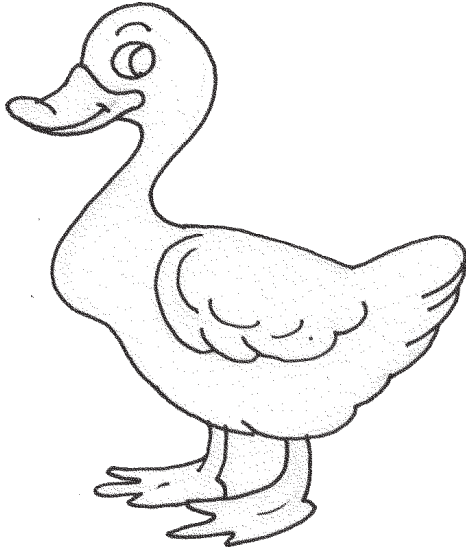
II. Circle the things that are living.



III. Colour the living things.



IV. Colour the non-living things.



V. Look at each picture. Is it a living thing? Circle Yes or No.



Yes / No



Yes / No



Yes / No



Yes / No



Yes / No



Yes / No

VI. Write the names of two living things and two non-living things in the picture.



Living Things

.....
.....
.....

Non-Living Things

.....
.....
.....

VII. Cut and paste the pictures below.

Living Thing

Non-living Thing

2. BIG AND SMALL PLANTS

There are many plants around you.



Some plants are big and strong. They are called trees.



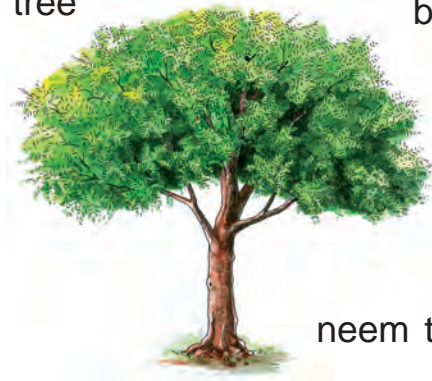
coconut tree



mango tree



banyan tree



neem tree

Some plants are small.



rose bush



hibiscus

Some plants are very small.



grass



coriander

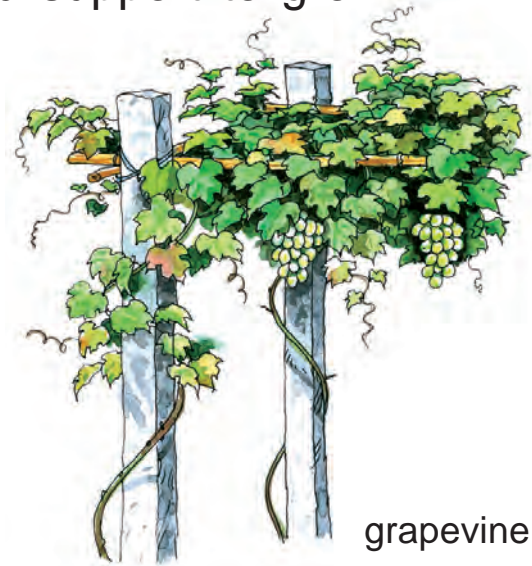


mint

Some plants are weak. They need support to grow.



money plant



grapevine

POINTS TO DISCUSS (FOR THE TEACHER)

- * *Plants are living things.*
- * *There are many kinds of plants. Plants are very useful to us.*
- * *They make the air clean.*
- * *They give us most of our food.*
- * *They give shade and shelter to animals and birds.*
- * *We must grow more plants.*

CHECK YOUR PROGRESS

I. Questions for oral interaction

1. What are big and strong plants called?
2. Name two trees.
3. Name two small plants.
4. What do weak plants need to grow?

II. Fill in the missing letters.

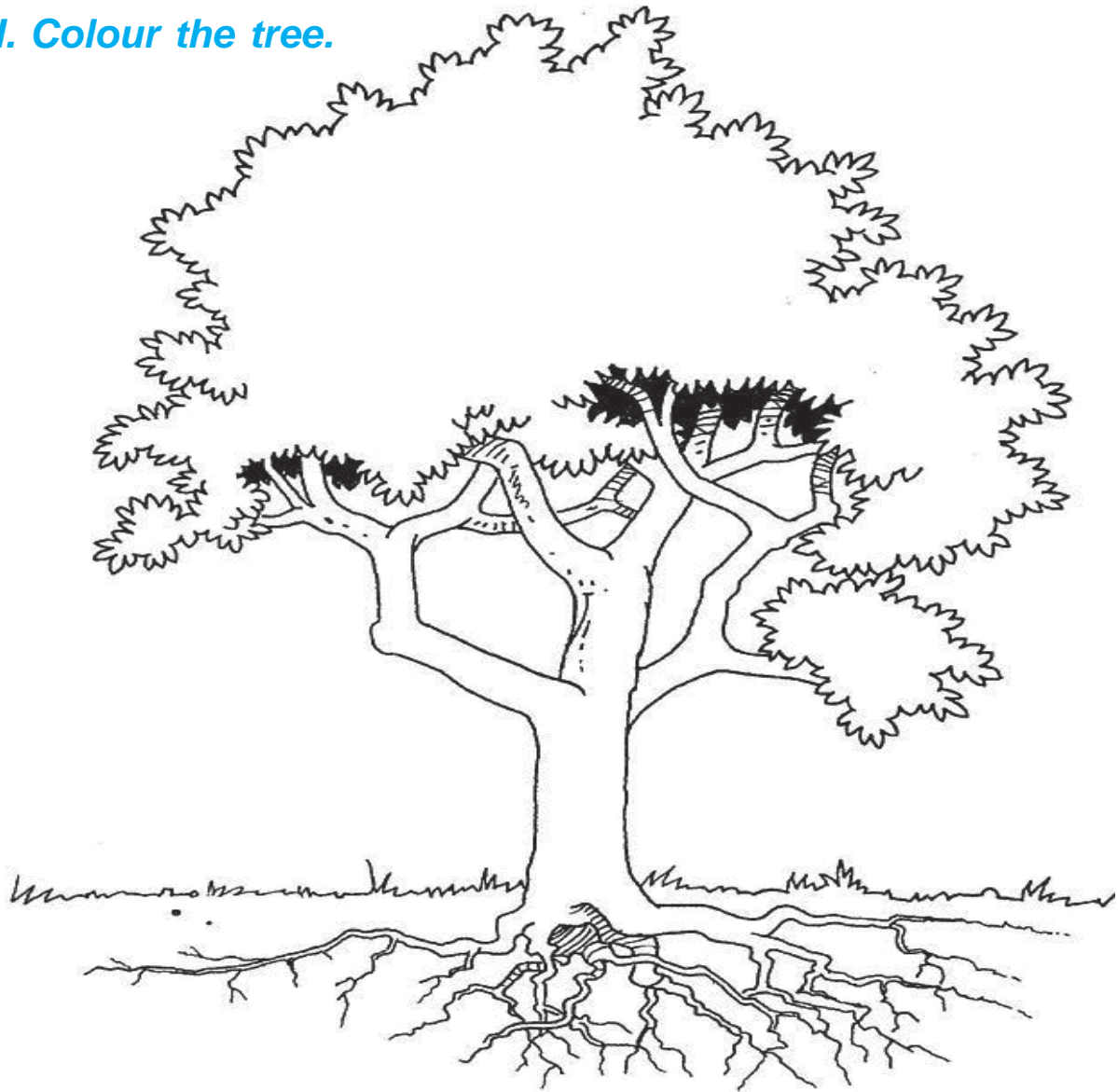


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R			E
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III. Colour the tree.



IV. Cut and paste the pictures of two plants.

