

# **ENVIRONMENTAL STUDIES**

**STANDARD ONE**

**TERM 1**

Dear Teacher,

We all know that children enjoy nature around them- the trees, the plants, the animals, the birds and the rain. This book starts from their life experiences i.e., what they have seen and enjoyed. The activities are based on their experience in the world around them.

Children may know a few songs and stories when they come to school. Quite naturally they enjoy listening to stories, singing songs and playing games. So we have included pleasant songs, enjoyable stories, thought provoking activities and games. Several opportunities have been provided to kindle the imagination of the children. They can make up stories, act them out, sing and dance joyfully.

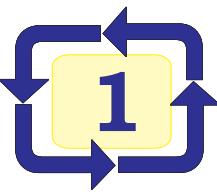
Children love to draw. This natural ability to draw and be creative has scope in simple line drawing, imaginative drawing and colouring activities. Every chapter has "I can" activities that provide a scope for self-evaluation. Every child has different life experiences. We need to provide time for discussions so that children share their thoughts, ideas and observations. An atmosphere conducive to raise questions must be provided in the classroom.

Learning does not take place only in the classroom. Learning should be extended outdoors where children will learn happily. Many people help us in our daily life. If children can interact with them, it will widen their understanding and build respect for their work.

Science is a part of everyday life and can be understood by observation. Love for nature and an urge to preserve it should be inculcated at the formative age.

**Authors**

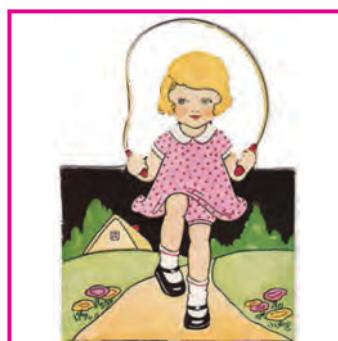
Let us play under the tree



- ☞ Ask the children to see the picture and help them to speak about it.
- ☞ Take the children to the playground and allow them to play under the tree.
- ☞ Ask the children to name some indoor and outdoor games.



Tick  the games you like.





Let us sing and discuss

## Where is your house ?

Where is your house, little crow

Where is your house ?

The nest in the Neem tree

That is my house.

Weaver bird, weaver bird

Where do you live ?

That hanging nest made by me

That is where I live.

Slow moving snail, oh snail

Where is your house ?

See the shell on my back

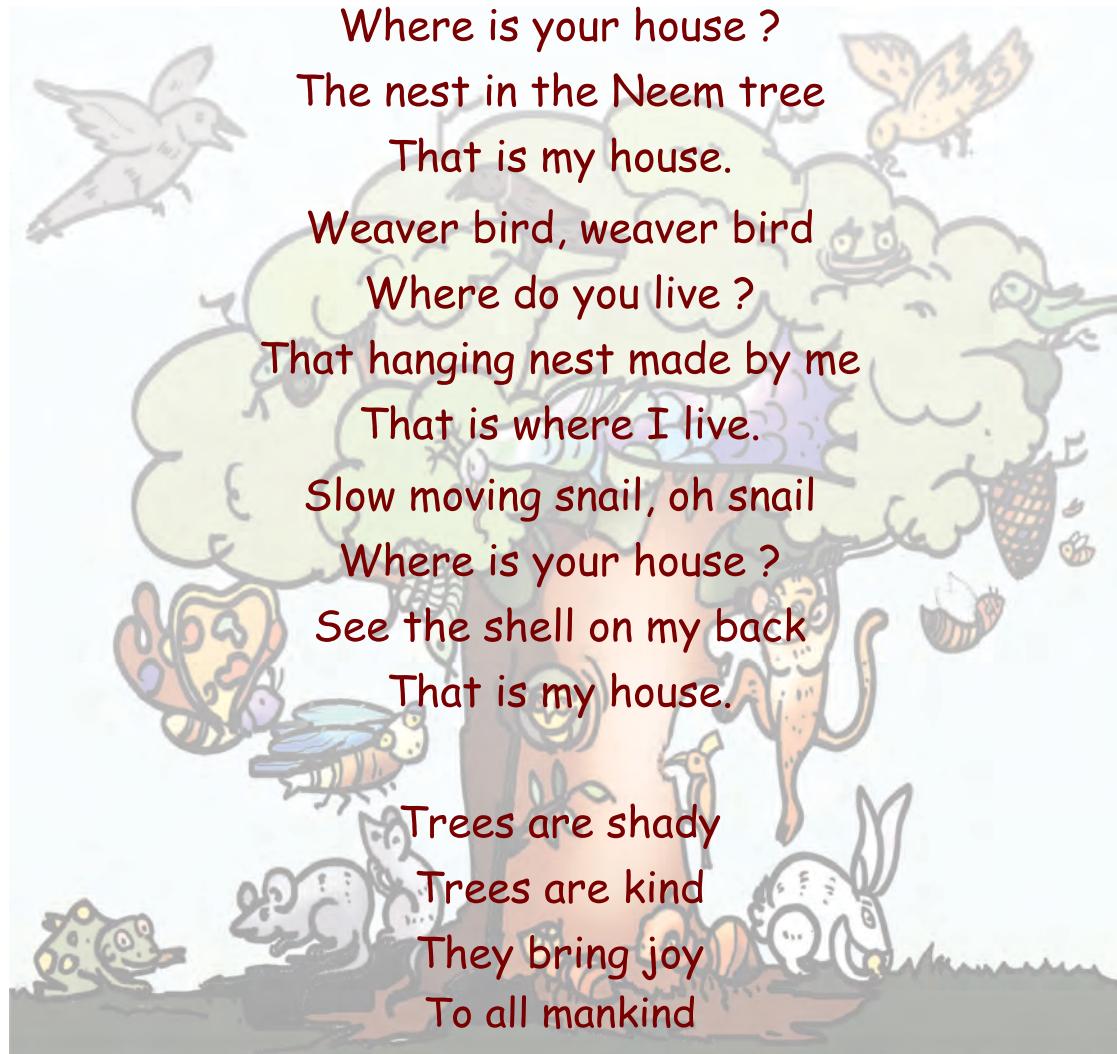
That is my house.

Trees are shady

Trees are kind

They bring joy

To all mankind



Discuss with the children that trees are the dwelling places of many animals, birds and insects.

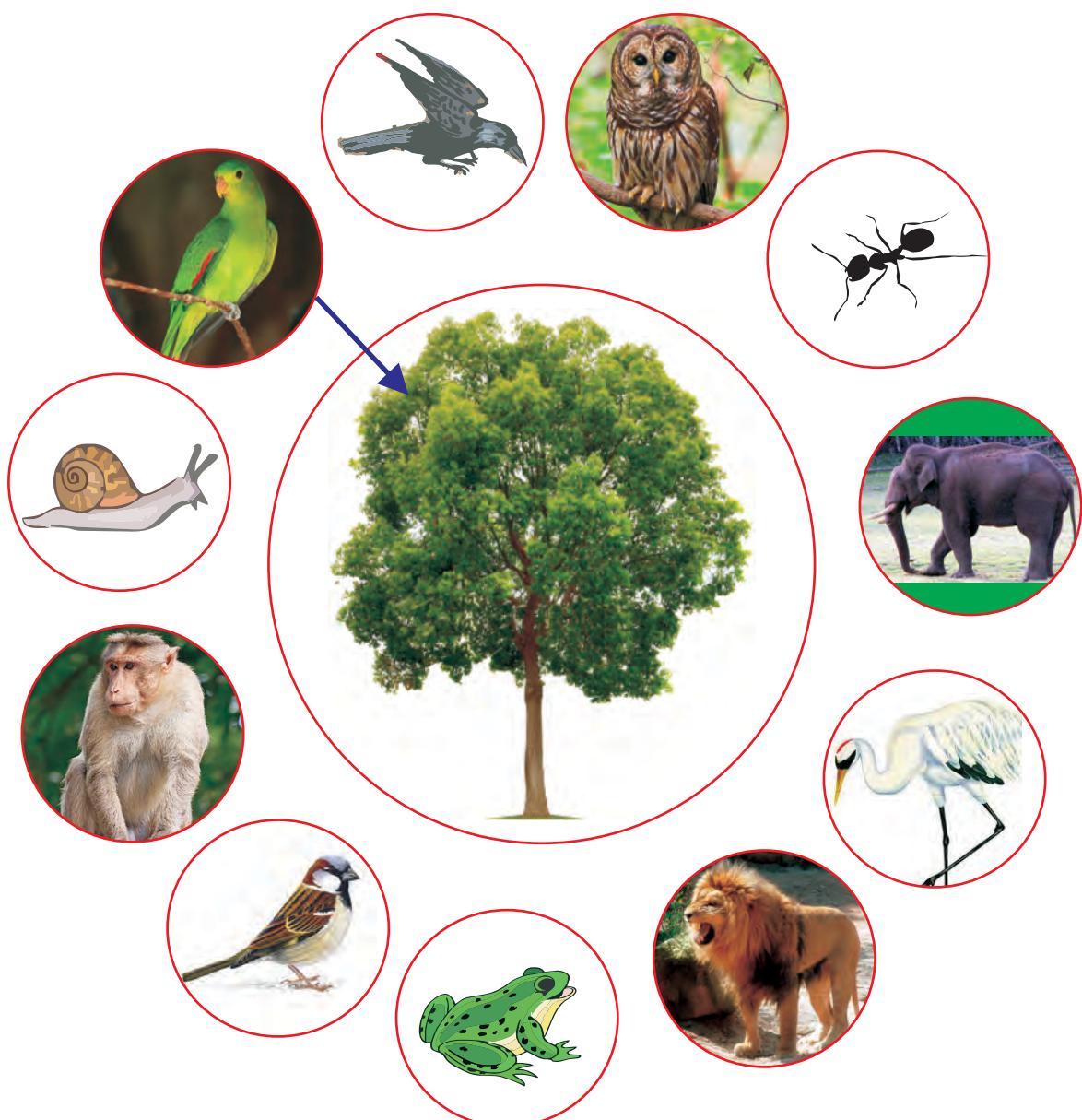


Divide the children into groups. Ask them to act a roleplay using picture cards based on the above song.



Let us connect

Which of these animals, birds, insects live on trees?  
Connect them to the tree with a line.





Let us talk

## All about plants

- \* Have you played under a tree?
- \* Have you touched a tree? How does it feel?
- \* Have you seen the roots of a tree?
- \* Name the animals, birds and insects you have seen on trees.
- \* What do we get from trees?
- \* List down the fruits and vegetables that you know.
- \* Name the flowers that you know.
- \* Name the trees that you see on your way to school.



Take the children out and help them feel the trees by touching and then discuss their qualities.

### Small group activity



Divide the children into three groups. Give them leaves of different shapes and colours. Ask them to classify and arrange the leaves as given below.

Group 1 : from small to big

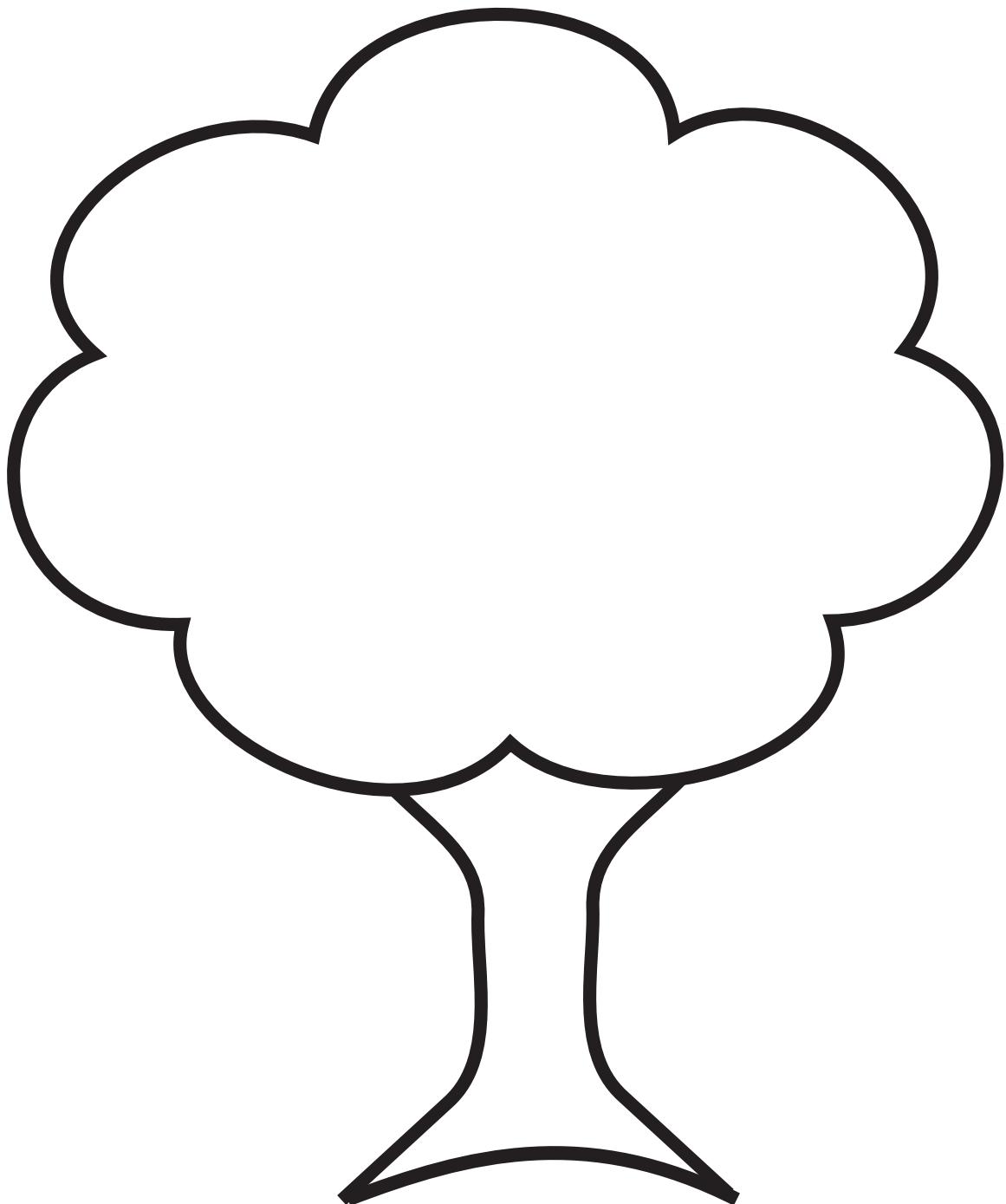
Group 2 : based on colour

Group 3 : based on shape



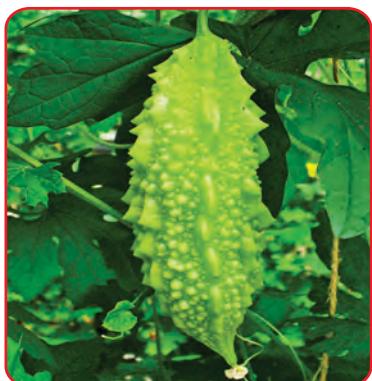
Let us colour

This is my tree.  
Let me colour it.





Look at the  
pictures and  
name them.



☞ Help the children classify the above pictures as herbs, trees and climbers.

**Project :**

Ask the children to prepare an album containing pictures of trees, herbs and climbers.



Let us connect

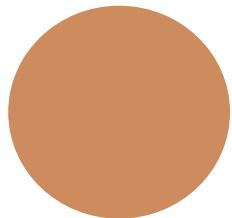
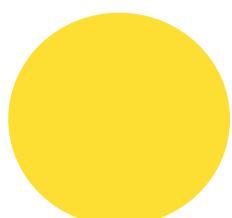
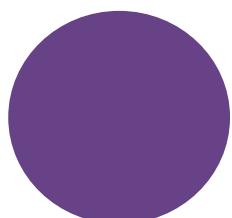
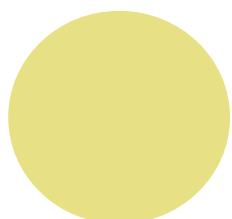
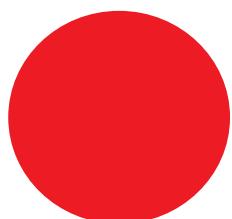
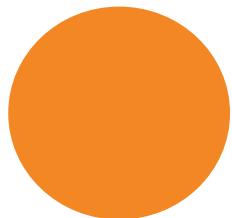
Match the leaves with their trees.





Let us connect

Match the fruit with its colour.





Find the way

Help the honey bee find its way.



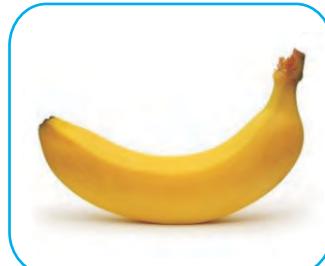
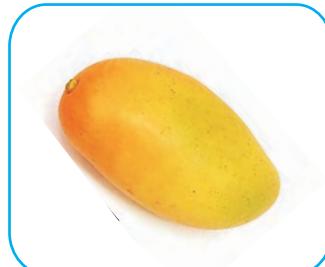
Let us do

Collect different kinds of leaves with the help of the teacher. Place one under a white paper, then shade the paper with a pencil and see what happens. Try this with different leaves.



I can

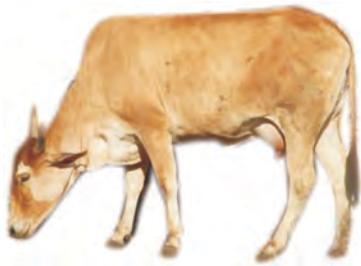
- Match the trees and their fruits.



- Can you tell a story about a tree ?
- Name the trees that you have seen near your house.
- Is snake gourd a tree or a climber ?



## I like squirrels



Ponni likes squirrels very much. Do you like animals?  
Circle the animals that you like.

Activity :

Make the children sing a few common rhymes on animals.

Project :

Ask the children to collect pictures and prepare an album on domestic animals and wild animals.



## Song

Pretty pussy and little doggie

They are my pets

They are happy when they see me

And I enjoy playing with them.



Deep in the forest

The lions and tigers live.

They are wild and free

And we should just let them be.



Ant, bee and butterfly

Grasshopper and dragonfly

Some are pretty, some are quick

All these insects we can see.





Let us talk

## Look at the squirrel

- \* Have you seen a squirrel?
- \* Where do squirrels live?
- \* How does it look ? (Describe its size - big /small, legs and tail)
- \* What does it eat?
- \* How does a squirrel eat?
- \* How will you take care of a squirrel, if you have one?



 Help the children to answer the above questions through discussion in a large group. Divide the children into small groups. Ask them to discuss about the animals they know.(e.g. Dog, cat, cow, bull, goat, elephant, monkey,...)



Let us find out

## Come on, Let us find out!



Find the friends hidden in the trees.

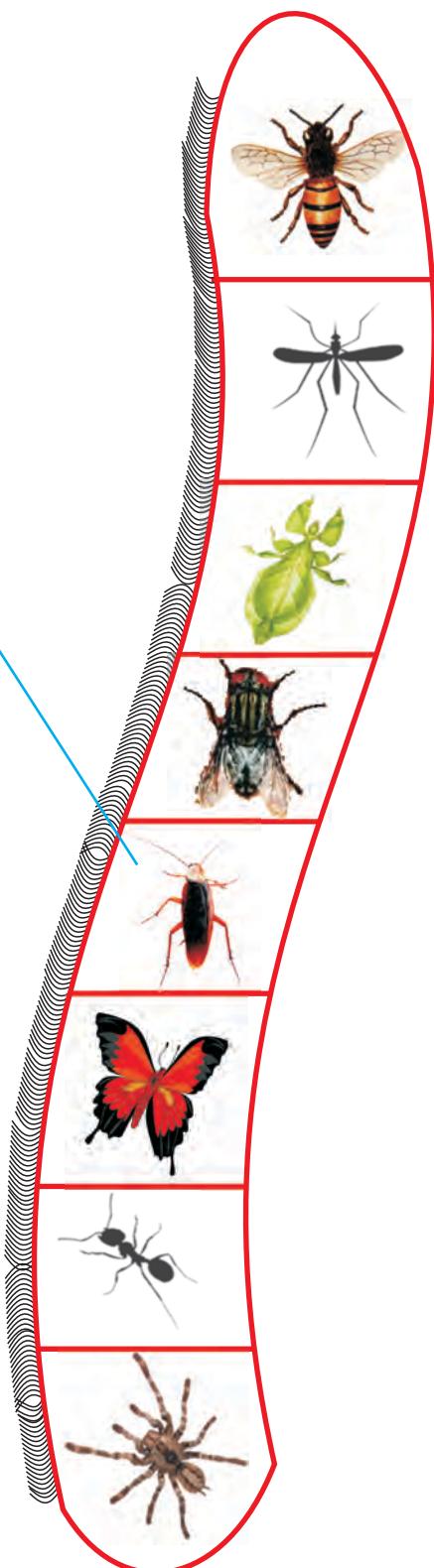
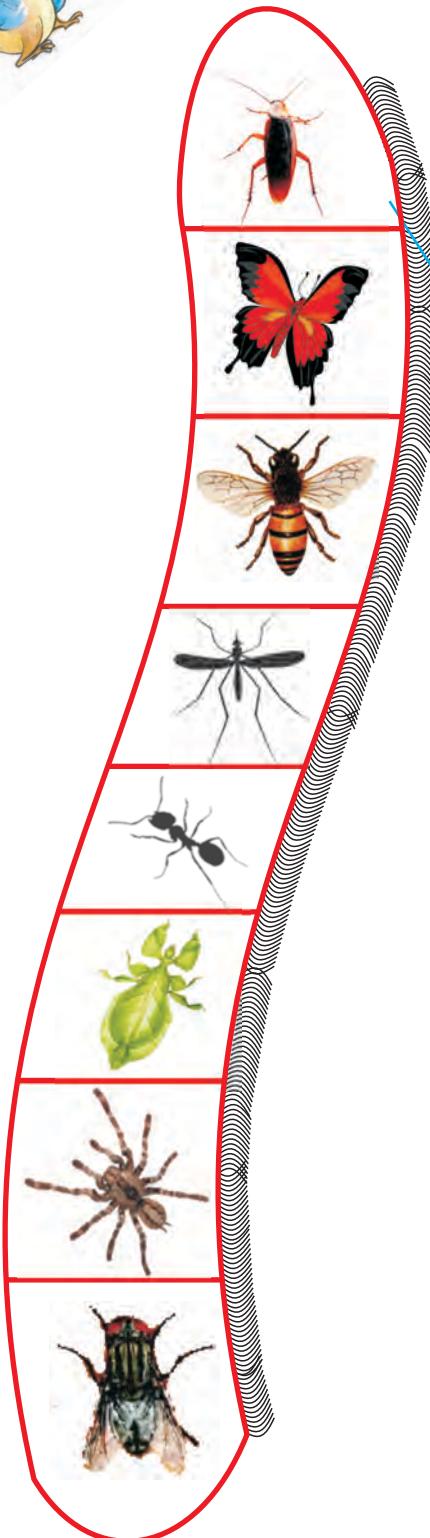
 Ask them to tell the names of animals they have found.

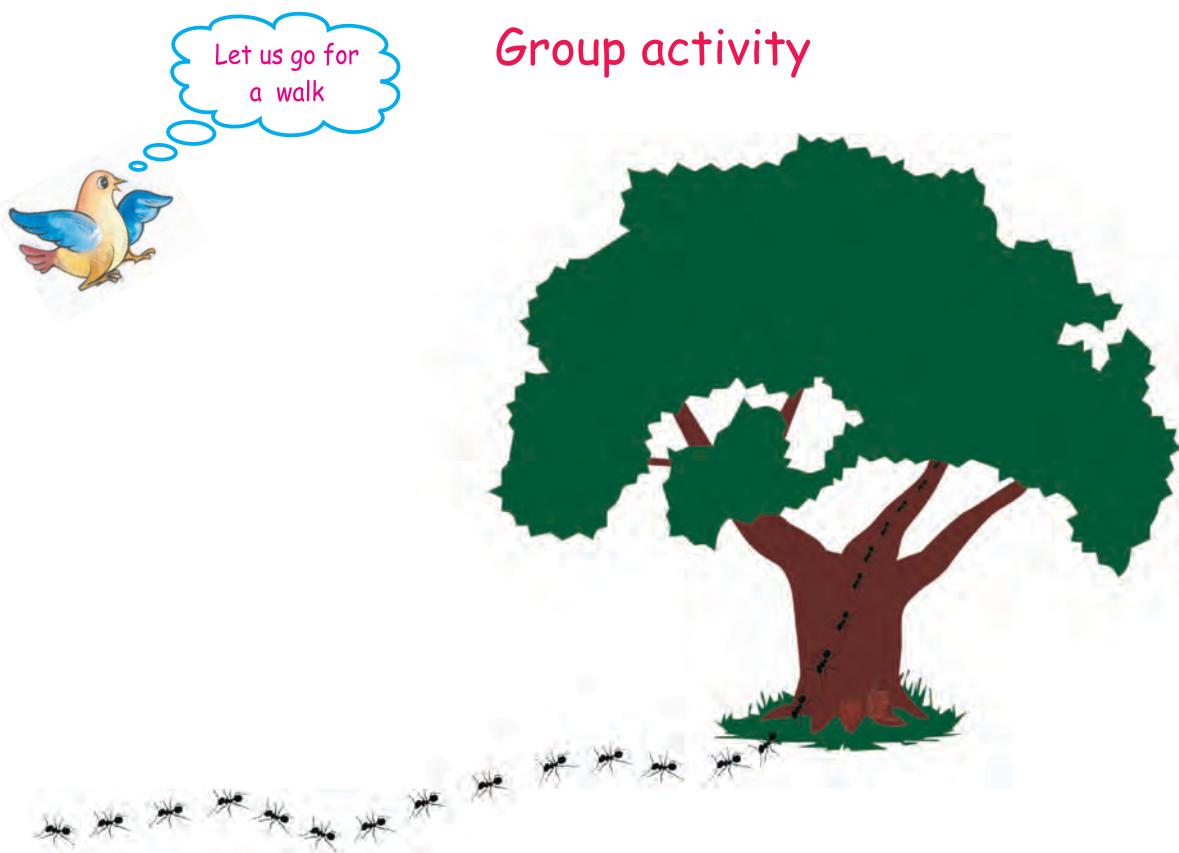
## ENVIRONMENTAL STUDIES



Let us connect them

Shall we connect the insects to their group?





## Group activity

👉 Take the children out. Help the children observe the insects found on and under the trees, leaves and in the soil. Discuss.

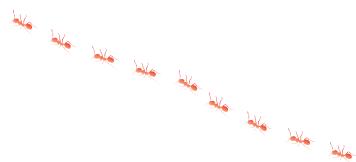


Let us sing

Where are you going  
My little red ant?  
I am looking for something  
Sweet to eat.



Where are you going  
My big black ant?  
I want a sweet  
Which is nice to eat.



👉 Similarly imagine and sing about butterfly, honey bee and housefly.



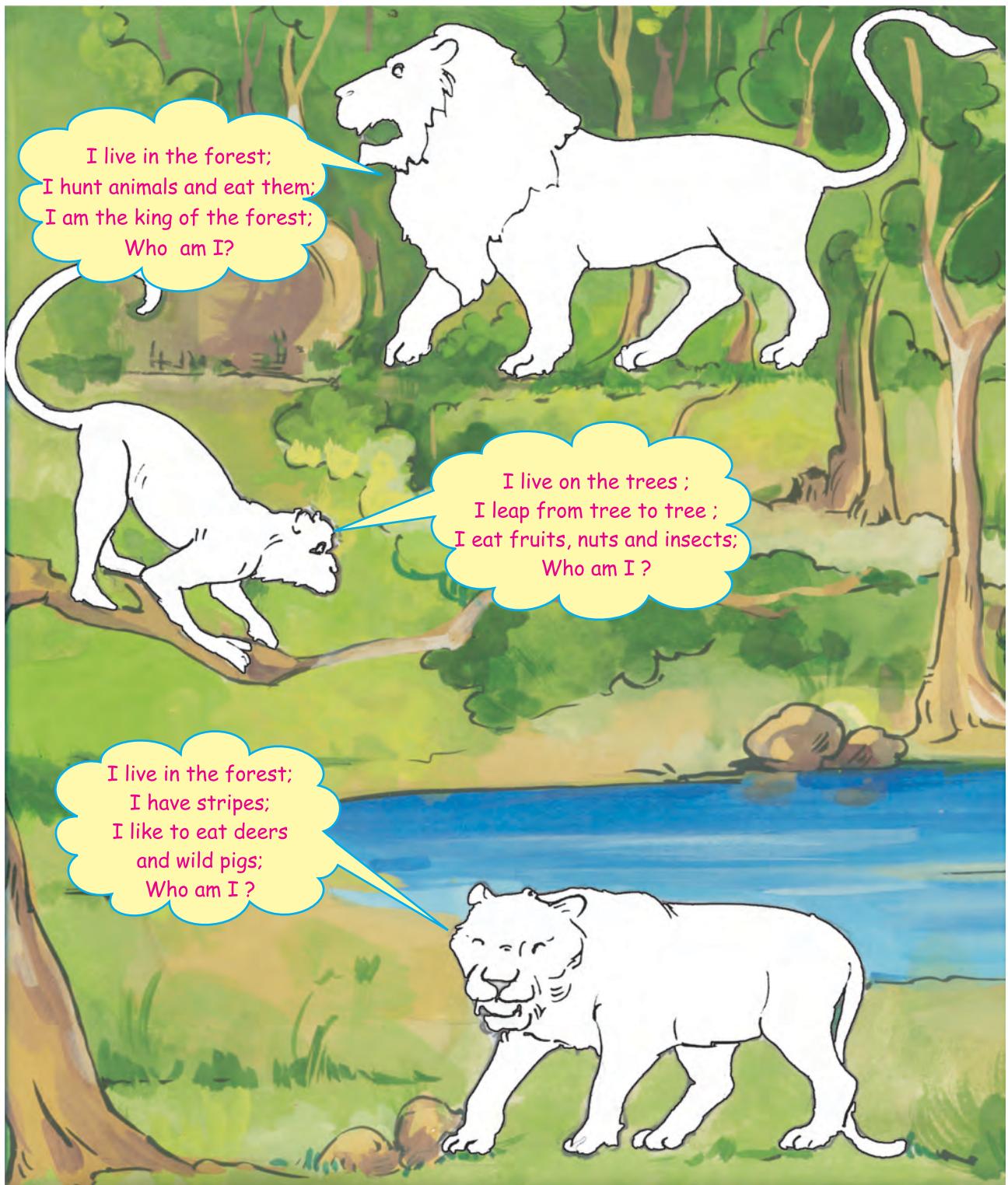
Let us find out

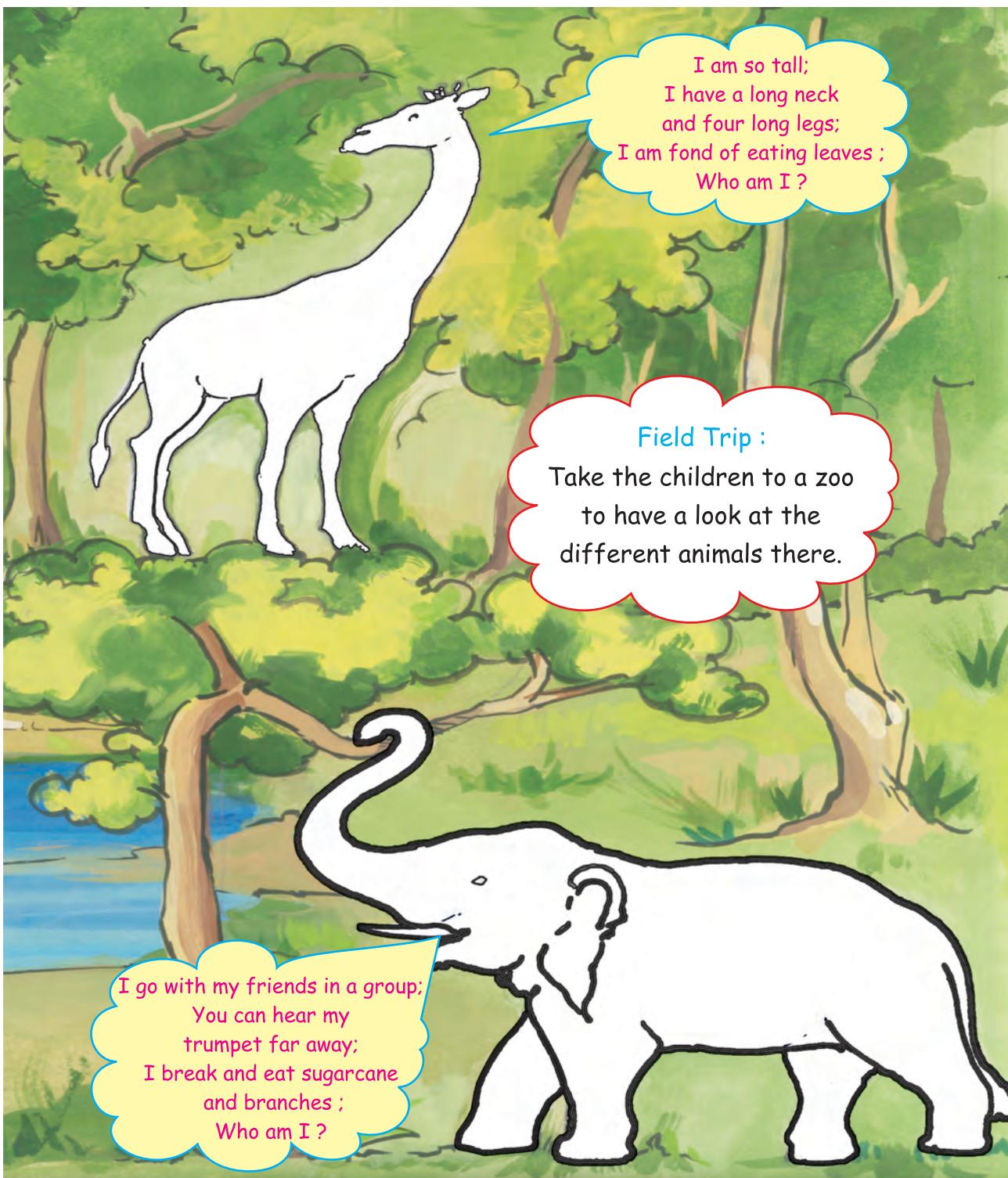
## Find the shadow.

Help these friends find their shadows by drawing a line.



Find out the answer for the riddles and colour them.

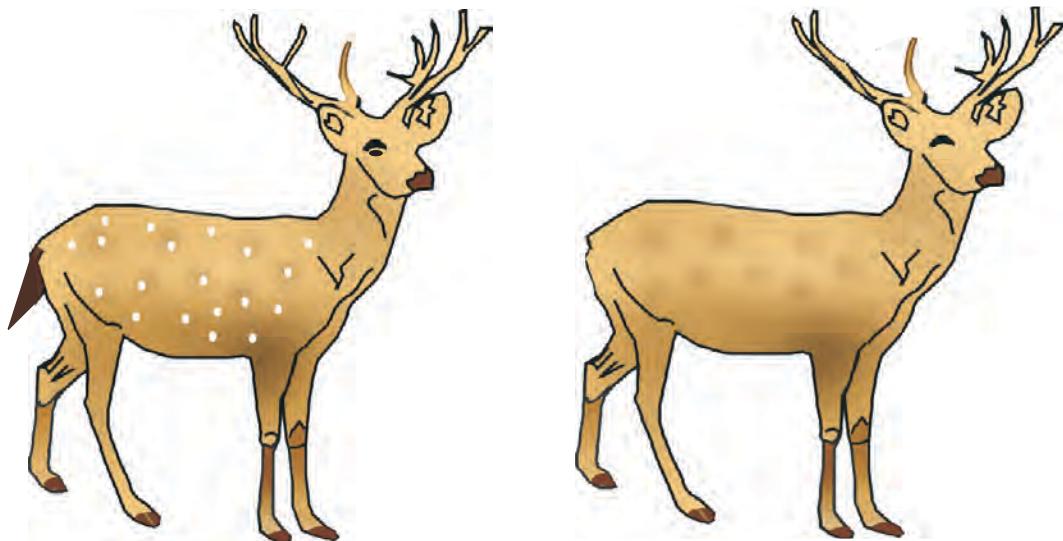




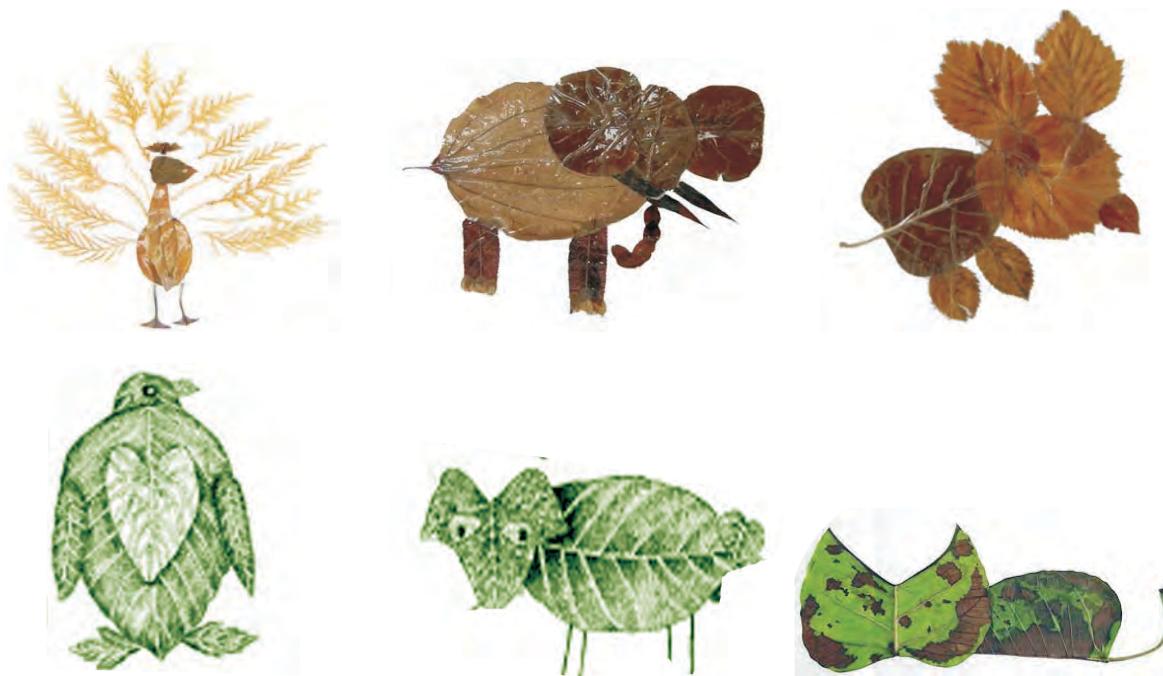


Let us find out

Shall we find out and circle the four differences ?



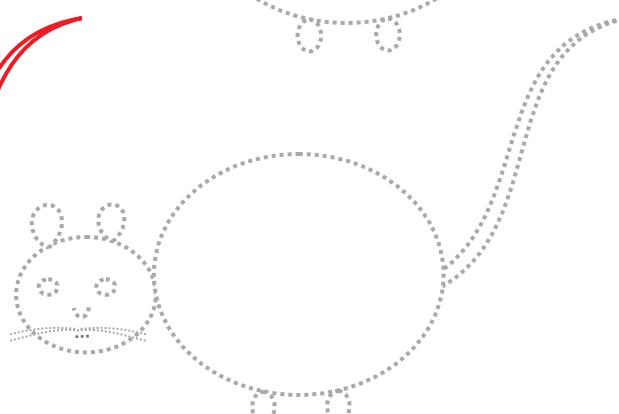
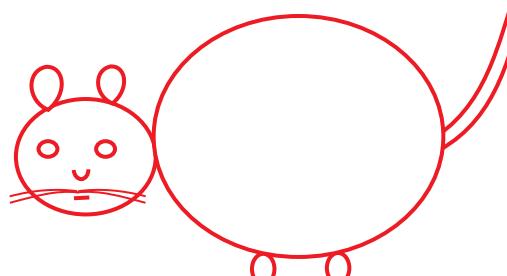
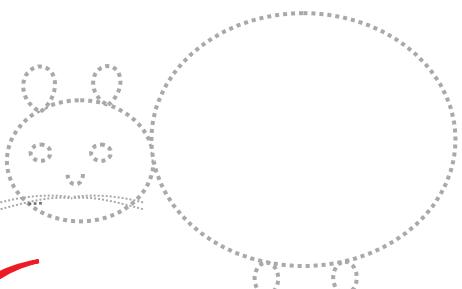
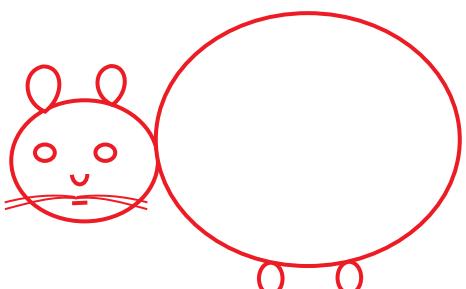
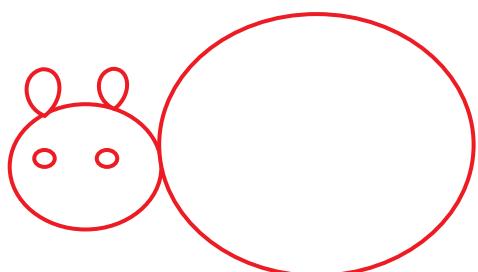
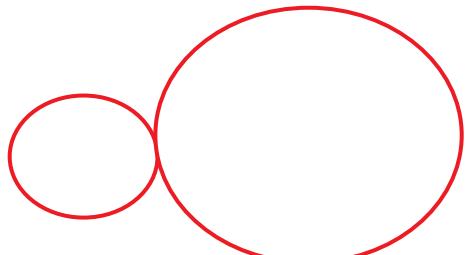
Shall we make animal figures using leaves ?





Let us draw

Come on ! Let us draw a cat.

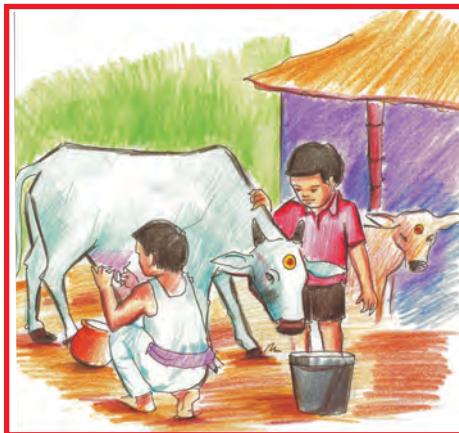
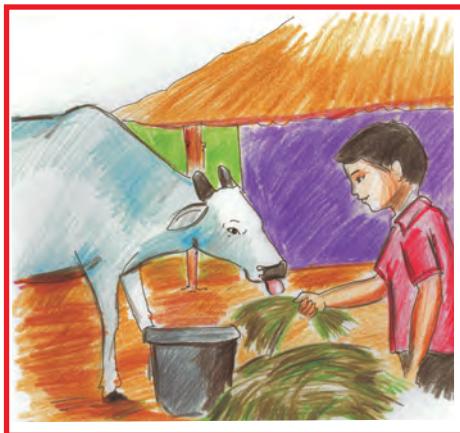
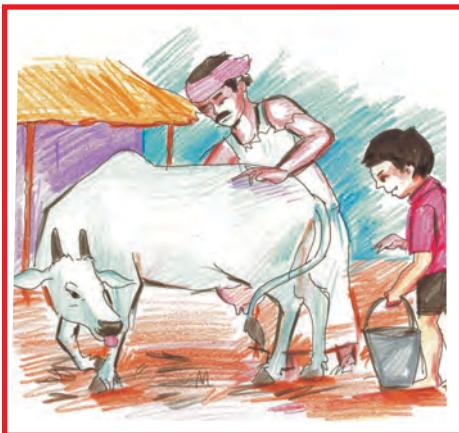




Let us talk

## Our family friend.

Babu and his parents like their cow and calf very much.  
Look at the pictures and say how they take care of them.



## I can

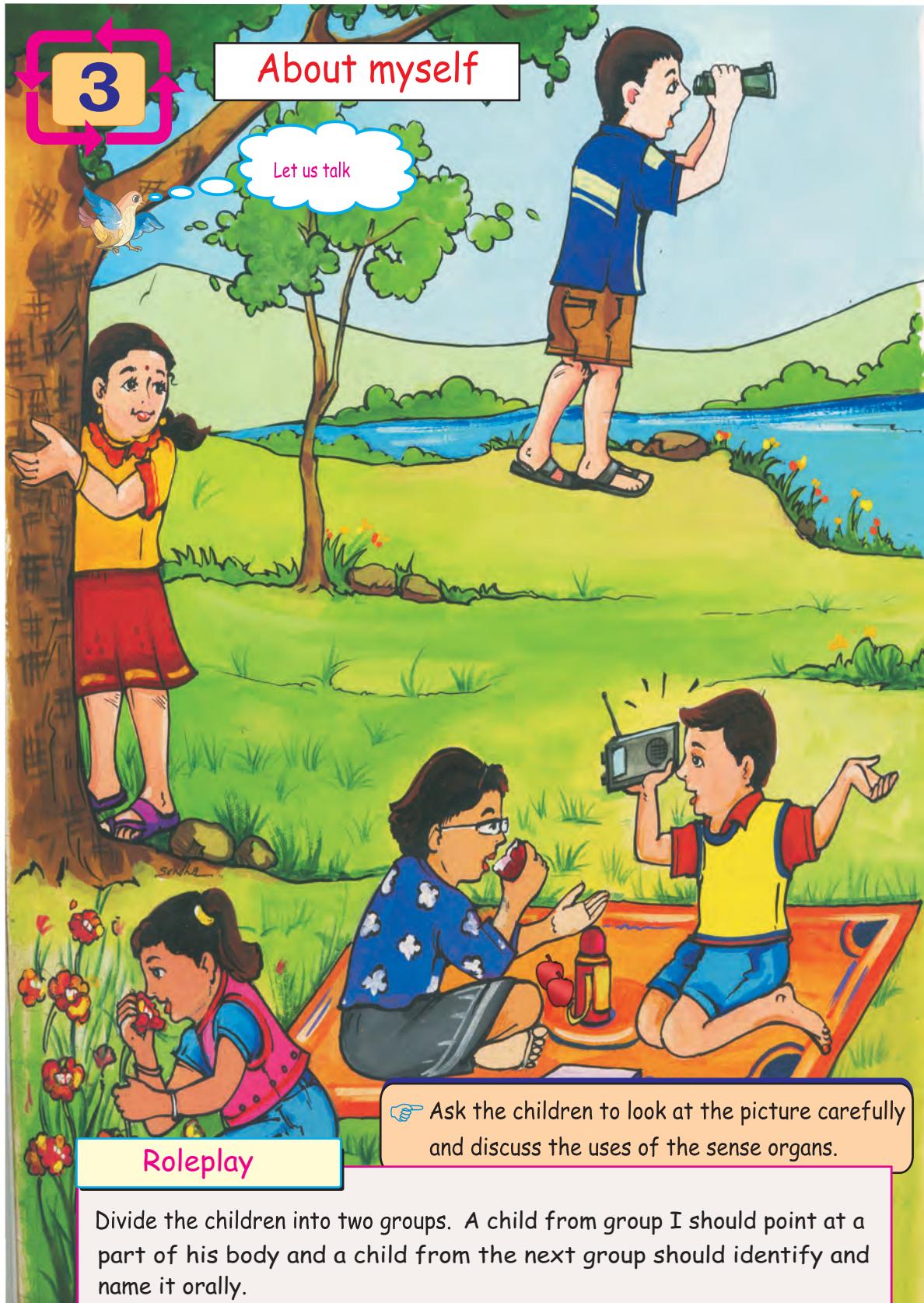
- Shall we match the bird and its feather?



- Do you have pet animals? Does your friend have pet animals? Collect information about them and share it in the classroom.
- Tell the story of an animal you like.
- Name any two big animals you know.
- Name any two insects you have seen at home.
- Name two domestic animals.
- Name two wild animals.
- Describe a cow.

### PROJECT :

Ask the children to collect feathers of different birds and make an album.



We sense the taste by our tongue.



Hot



sour



Bitter



sweet



Salty



Astringent

**Activity :**

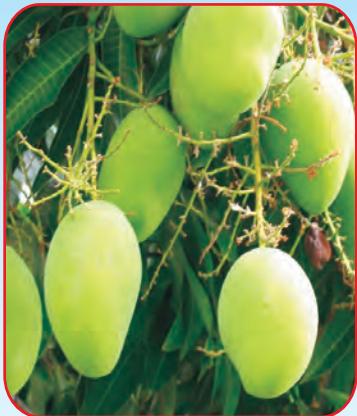
Help the children sense the different tastes.

The children can bring food items of different tastes to learn about them.

**Project:**

Collect pictures of food stuff of different tastes from magazines and prepare an album.

Let us discuss the tastes of the following.





Shall I name the things?

Let us name the things.



Blindfold the children. Make them feel, taste and smell a few things. Ask them to name it.



Place a few things on the table. Allow the children to have a look at them and then name them.



Let us make  
sounds

Let us wear animal masks, name the animal  
and make their sounds.





Let us play and find

Name the objects by the sounds.

### Small group activity

- ◆ Drop a silver spoon.
- ◆ Pour water into a bowl.
- ◆ Tear a newspaper.
- ◆ Drop some small stones, beads, mustard seeds into a plastic box one by one and then shake it.
- ◆ Drop a scale (plastic/ wooden/ iron)
- ◆ Drop a plastic ball.
- ◆ Shut the doors and windows.
- ◆ Ring a bell.
- ◆ Blow the whistle

☞ Divide the children into two groups.

Group I - Do the action behind the screen.

Group II - Find the object.

Let us observe  
carefully and find out



tick... tick...



quack... quack...



tring... tring...



ding... dong...

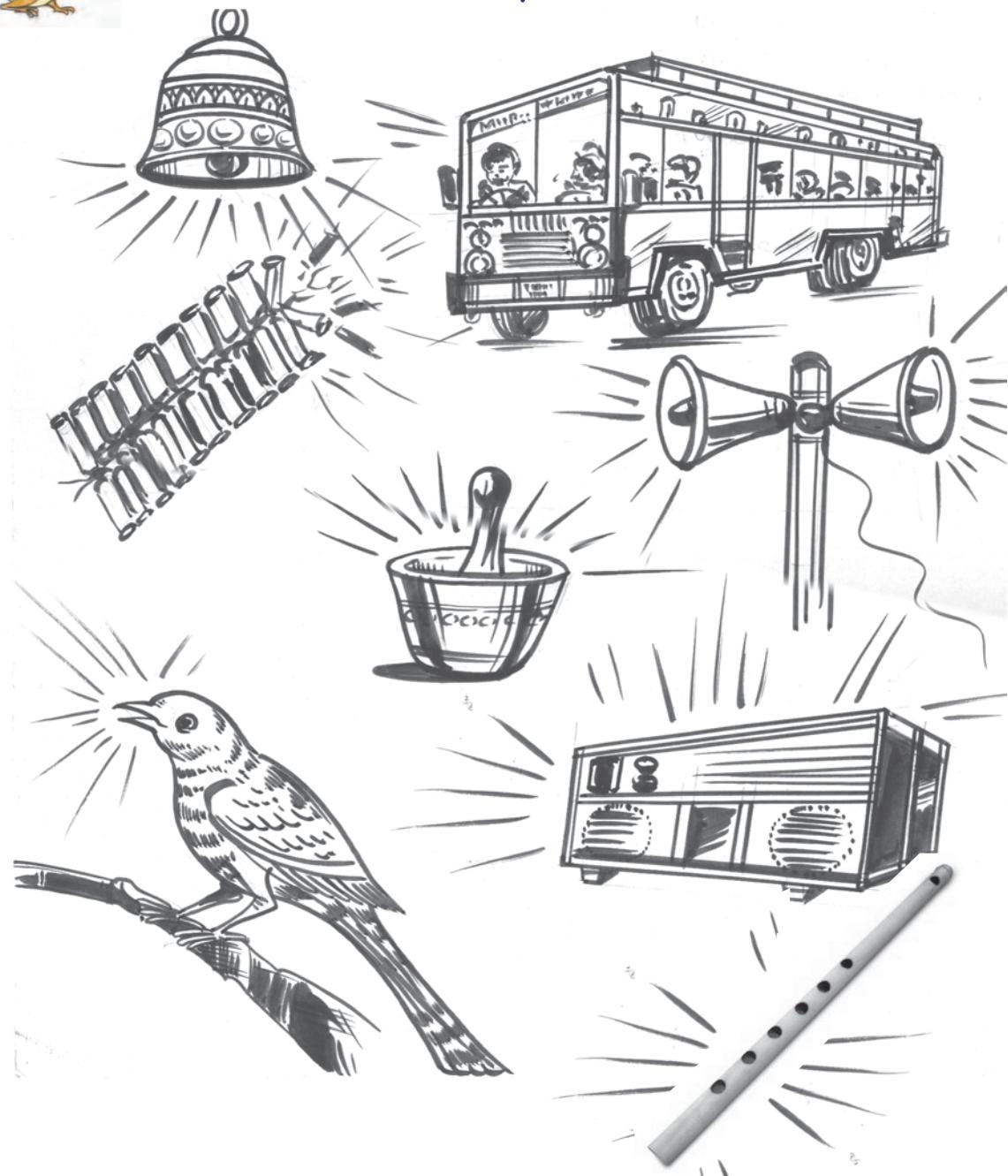


caw... caw...

Let us classify



Let us classify the sounds.



- 👉 Help the children classify the sounds, both soft and loud.
- 👉 Circle the soft sound.
- 👉 Draw a box for the loud sounds.



Let us spot out  
the differences

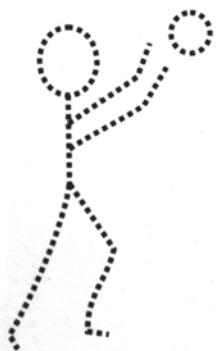
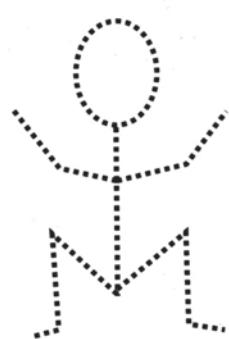
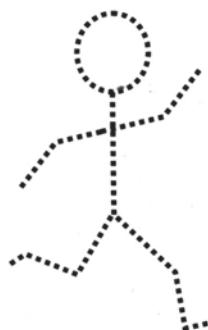
Identify the differences and circle them.





Shall we join the dots?

Join the dots. Circle the action that you like.



## I can

- Tick ✓ the items that we can hear.
- Circle the items that we can smell.
- Name the colours of the balloons.



- Write the tastes of

★ Bitter gourd \_\_\_\_\_ ★ Salt \_\_\_\_\_

★ Green mango \_\_\_\_\_ ★ Laddu \_\_\_\_\_

# 'I can, I did'

## Student's Activity Record

# Subject: