

# ENVIRONMENTAL STUDIES

## STANDARD ONE

### TERM 1

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(Annanur)

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 class-room. 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

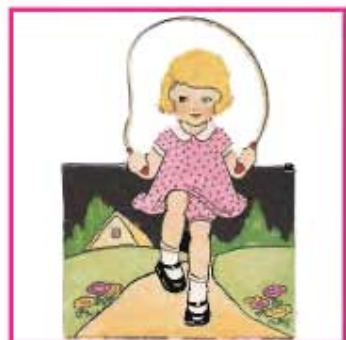
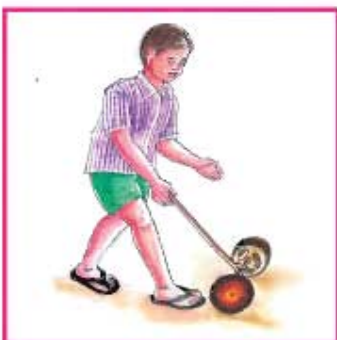


- 👉 Ask the children to see the picture and help them to speak about it.
- 👉 Take the children to the playground and allow them to play under the tree.
- 👉 Ask the children to name some indoor and outdoor games.



Let us tick

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.

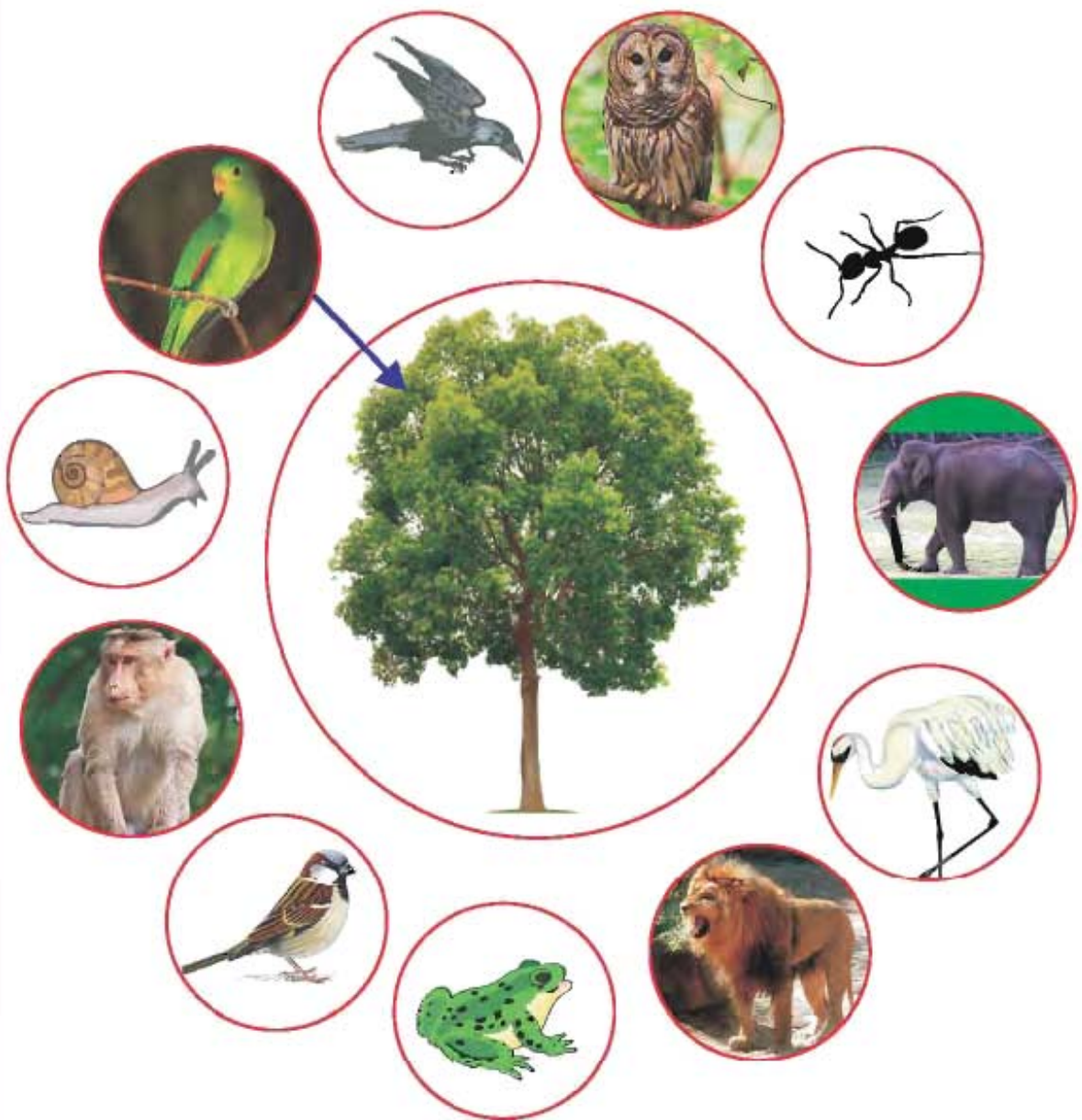


Divide the children into groups. Ask them to act out as a role play using picture cards based on the above song.



Let us connect

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





Let us talk together

## All about plants

- Have you played under the shade of a tree?
- Have you touched a tree? How is it ?
- Have you seen the roots of a tree?
- What animals, birds and insects have you 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 as given below.

Group 1 : from small to big

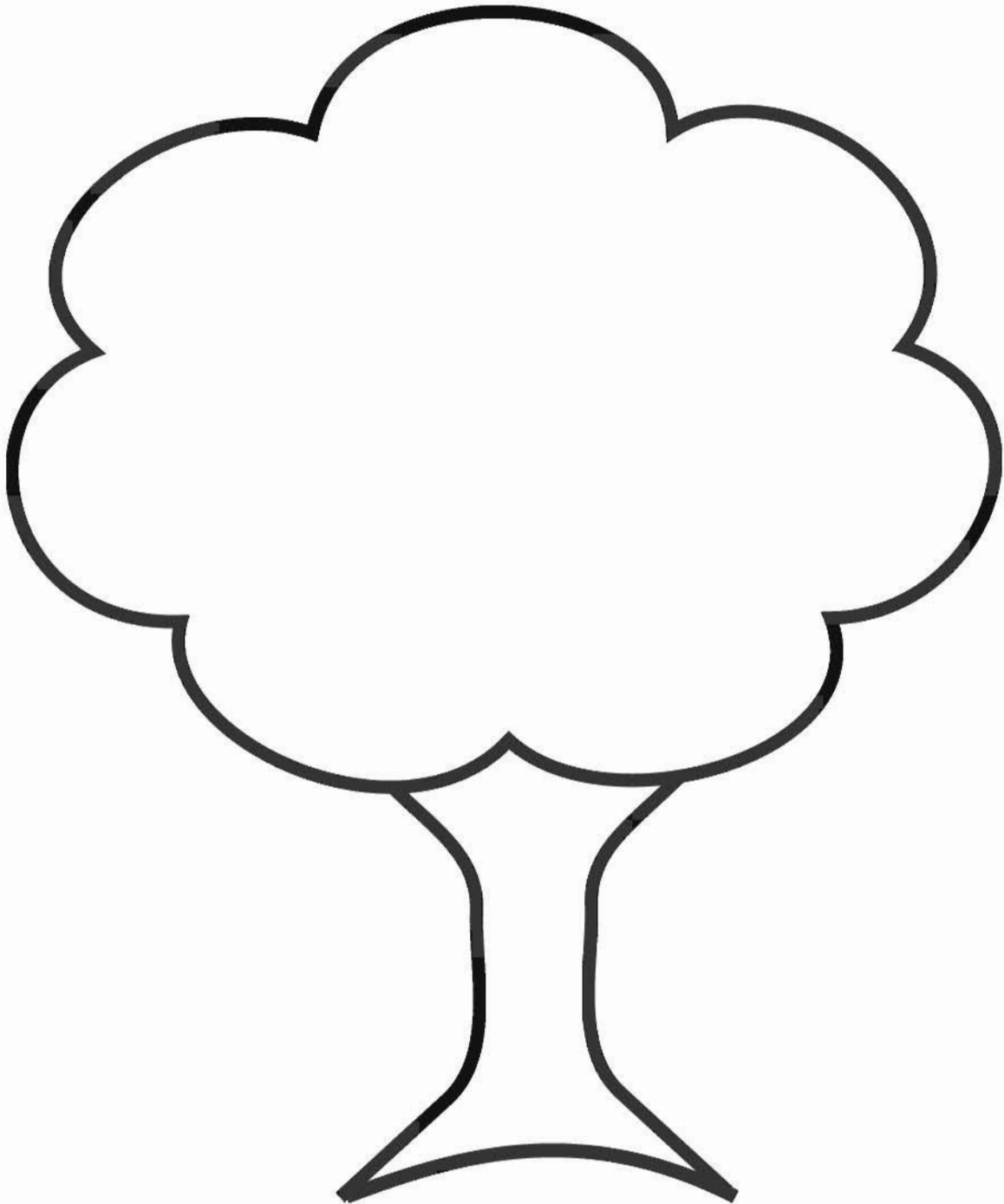
Group 2 : based on colour

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 into plants, trees and climbers.

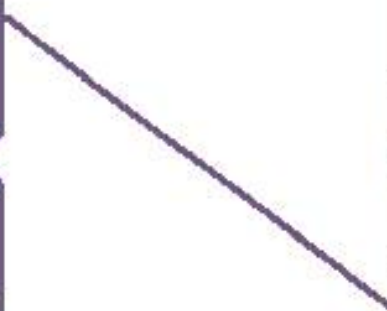
### Project :

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



Let us connect

Match the leaves with their trees.





Let us connect

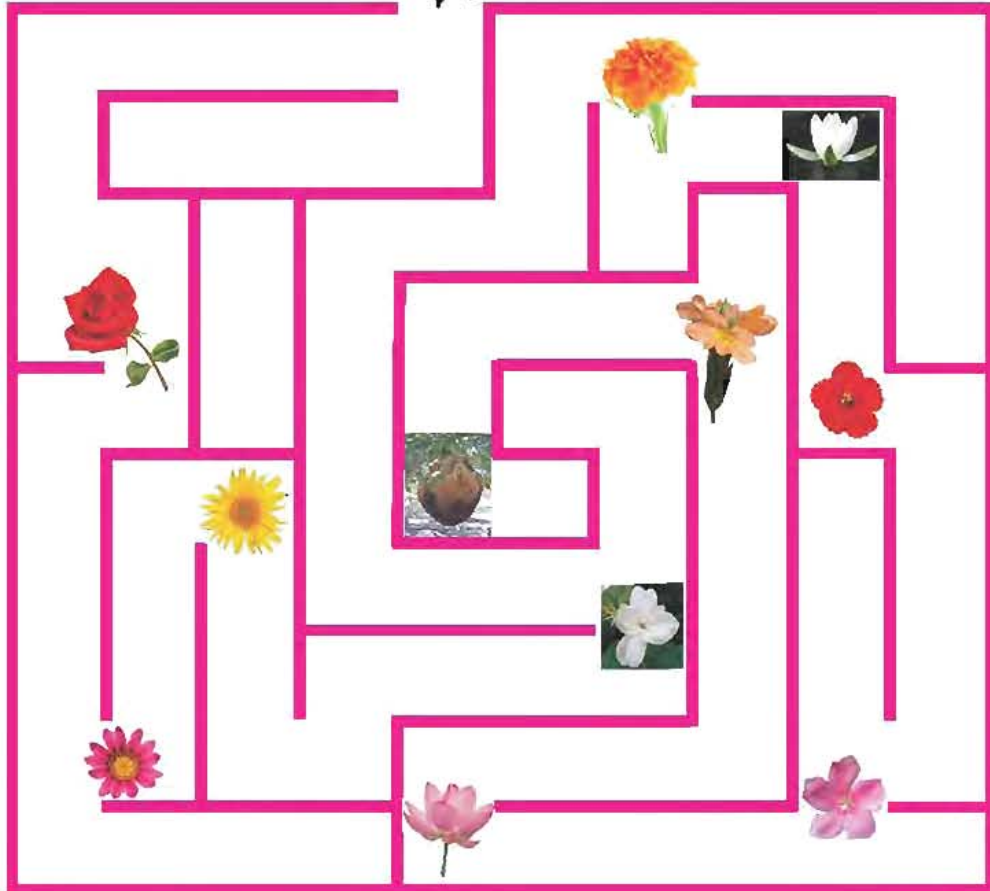
Match the fruit with its colour.





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 rub over the paper with a pencil and see what happens. Try 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 plant or a climber ?



I like squirrels



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



**Activity :** Help the children to make simple rhymes about animals.

**Project :**

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



Let us sing

## Song

Pretty pussy and little doggie  
They are my very own pets  
They are happy when they see me  
And I enjoy my play with them.



Deep in the forests  
Live lions and tigers.  
They are wild and they are 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 together

## 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 would 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 the animals they know.(e.g. Dog, cat, cow, bull, goat, elephant, monkey,...)



Let us find out

## Come on, Let us find out!

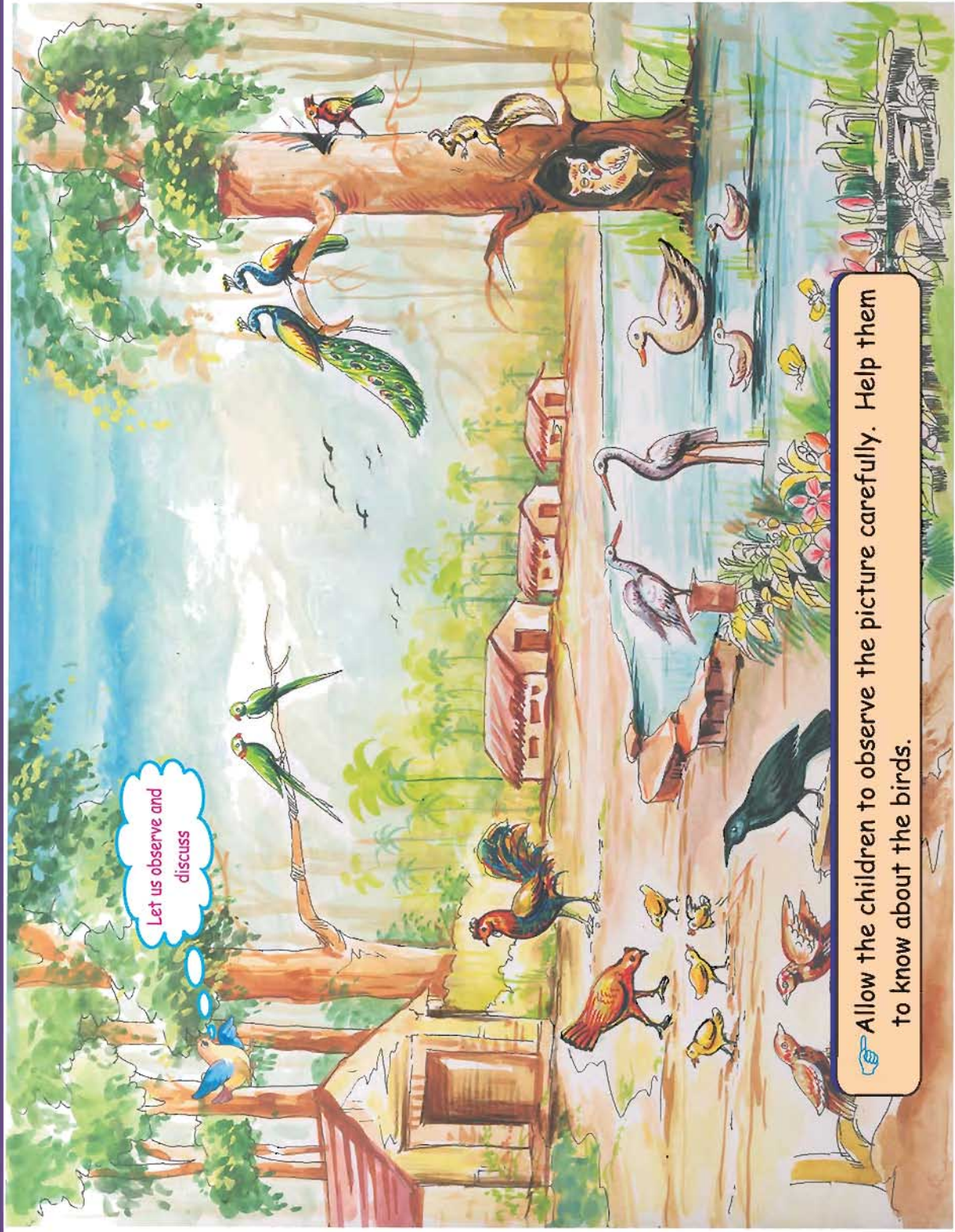


Find the friends hidden in the trees.

Ask them to say aloud the names of animals they have found.



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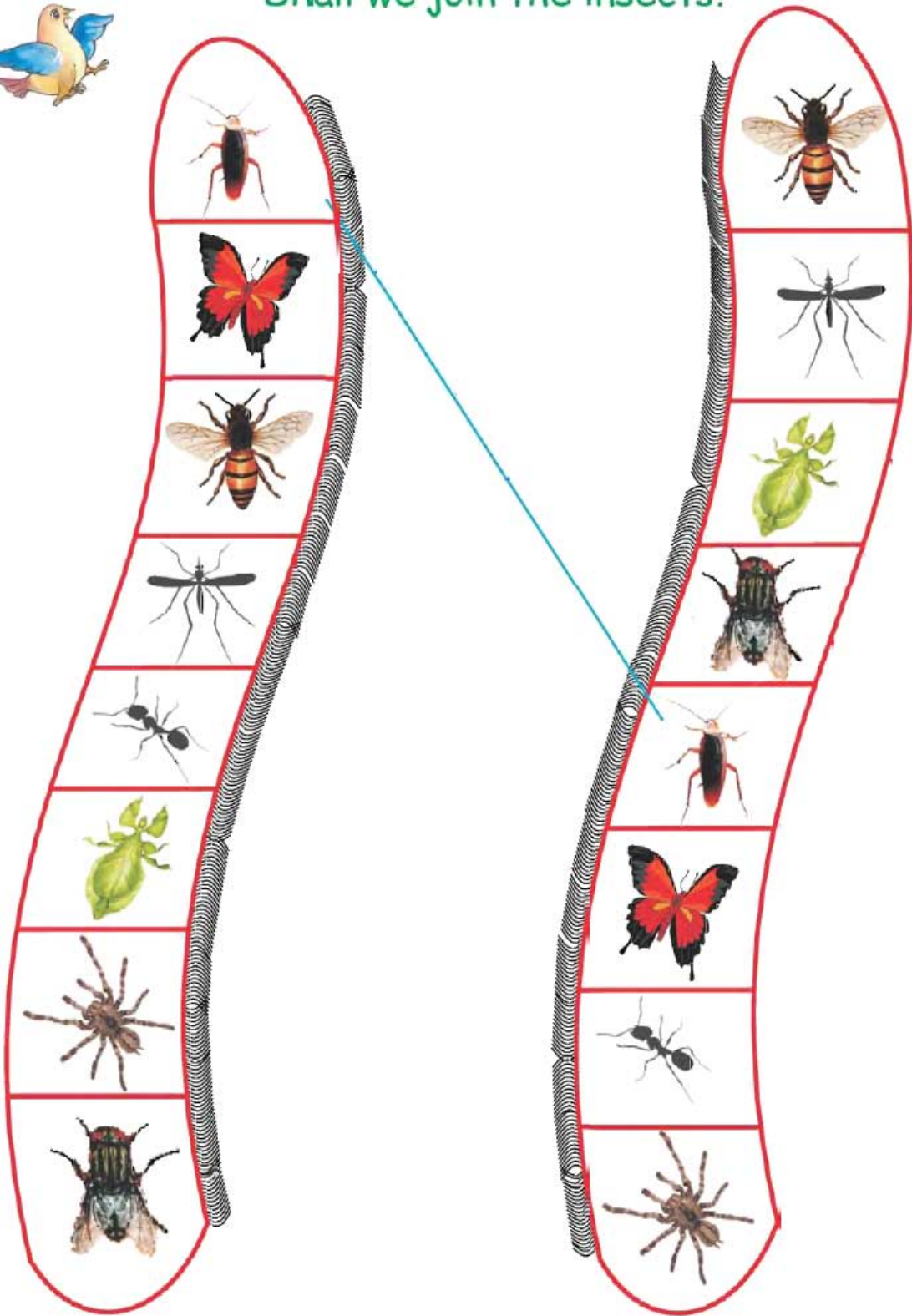


Let us observe and discuss

Allow the children to observe the picture carefully. Help them to know about the birds.

Let us join them

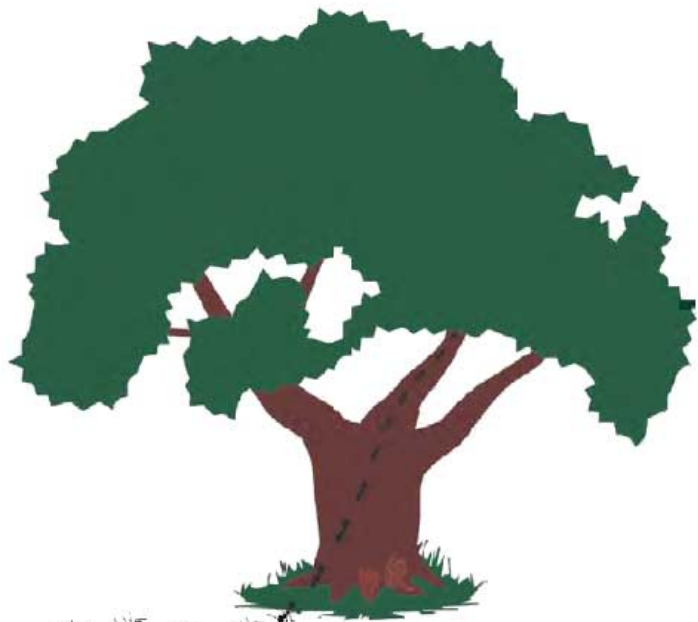
Shall we join the insects?





Let us go for  
a walk

## Group activity



☞ Take the children out. Help the children to 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.



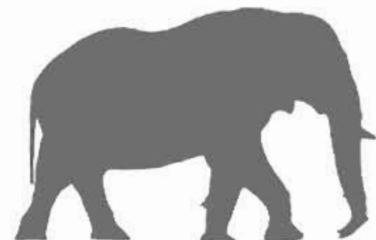
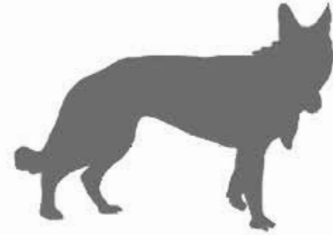
☞ Similarly imagine and sing about butterfly, honey bee and housefly.



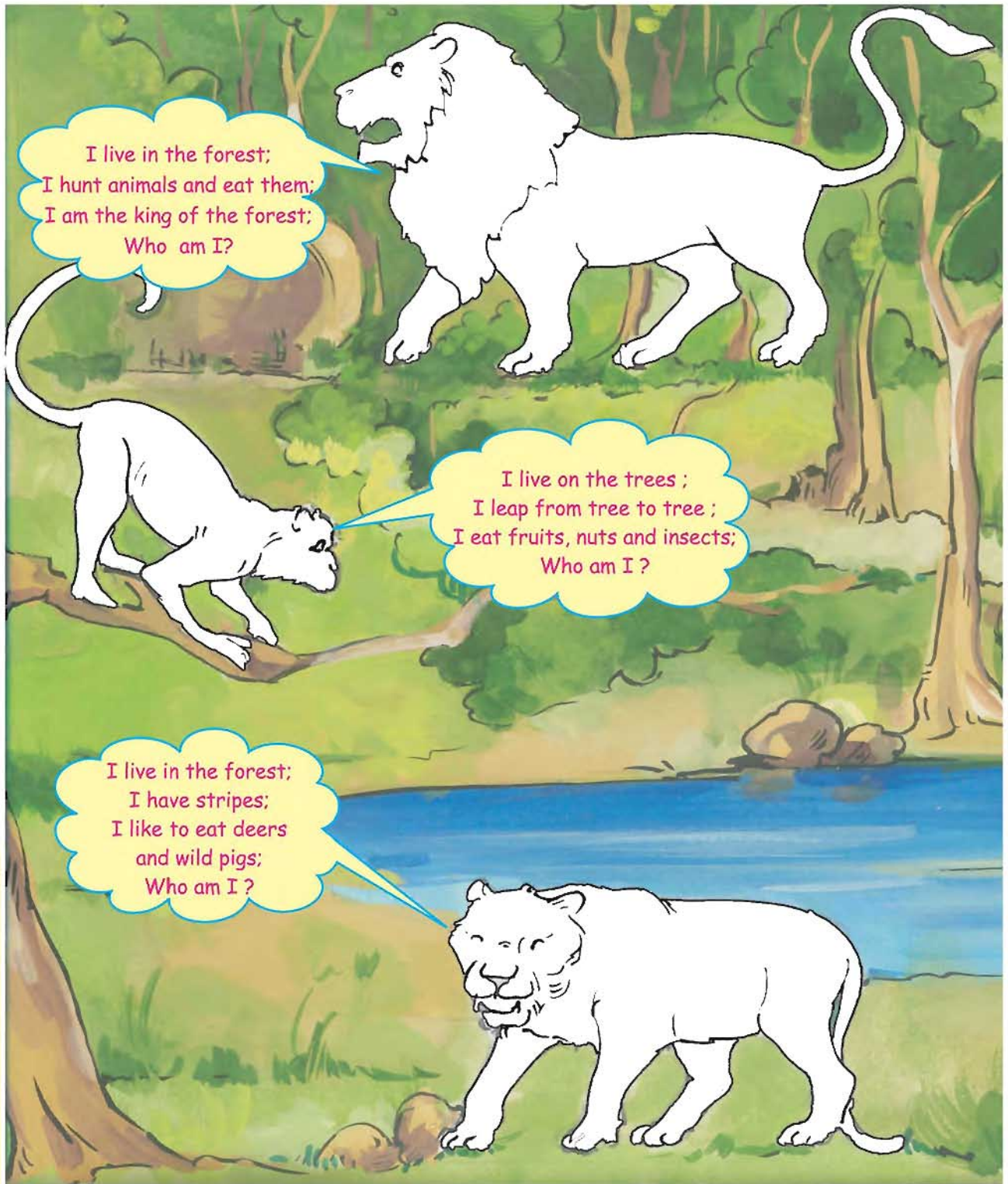
Let us find out

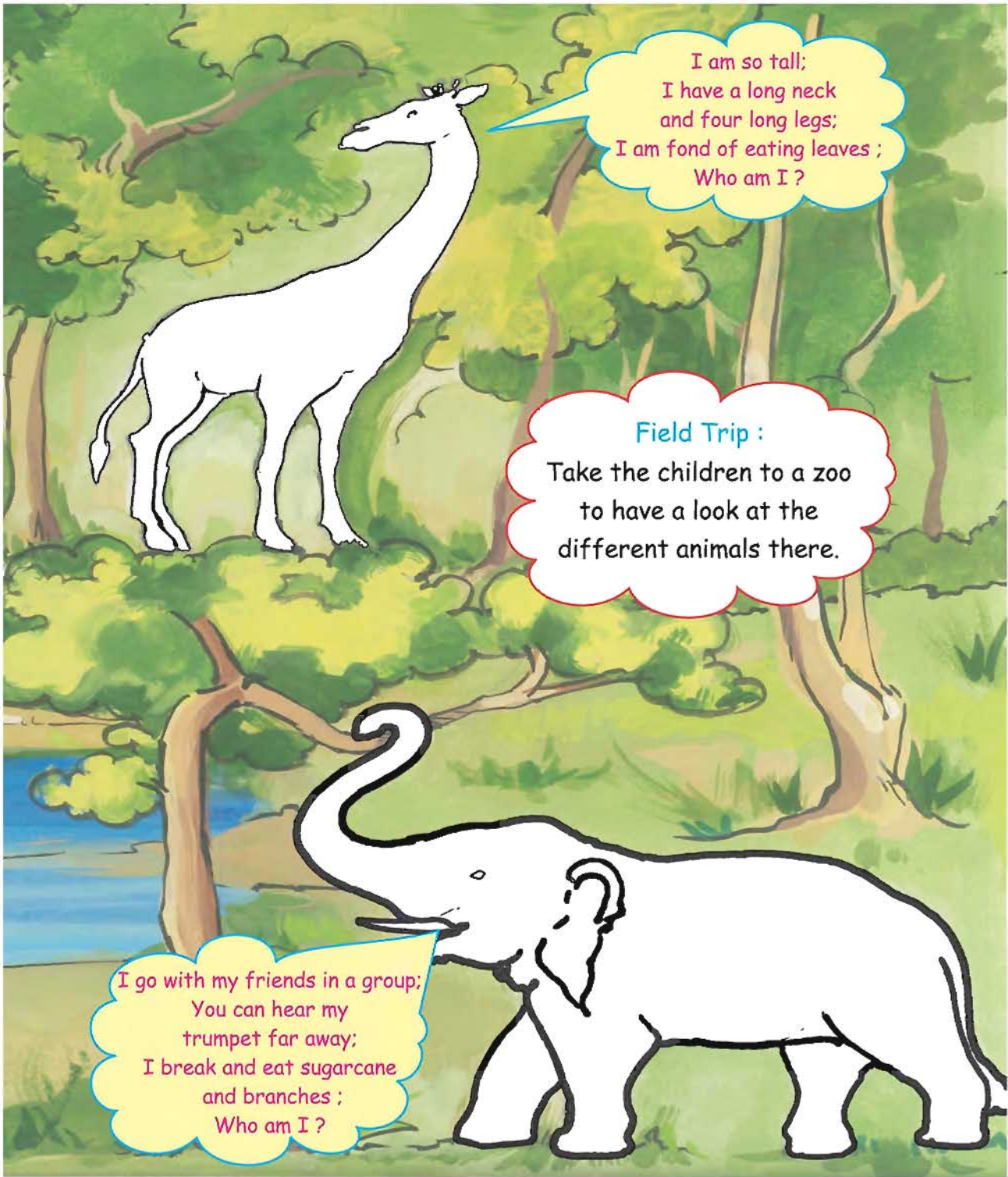
## Find the shadow.

Help these friends to find their shadows by drawing a line.



Find out the answer for the riddles and colour them.





I am so tall;  
I have a long neck  
and four long legs;  
I am fond of eating leaves ;  
Who am I ?

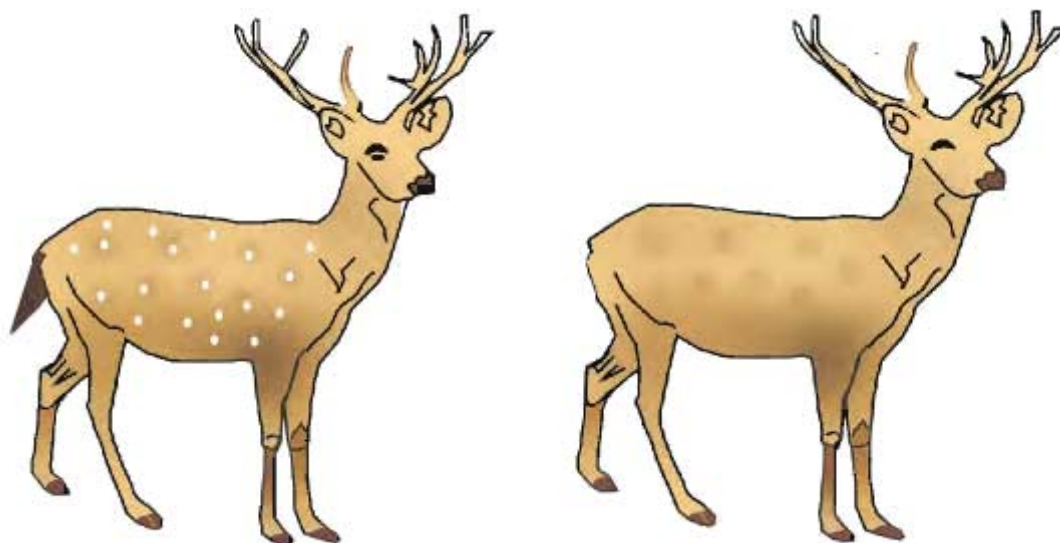
**Field Trip :**  
Take the children to a zoo  
to have a look at the  
different animals there.

I go with my friends in a group;  
You can hear my  
trumpet far away;  
I break and eat sugarcane  
and branches ;  
Who am I ?



Let us find out

Shall we find out and circle the four differences ?



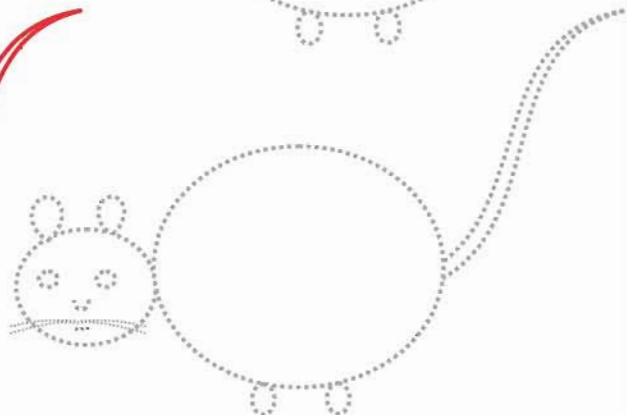
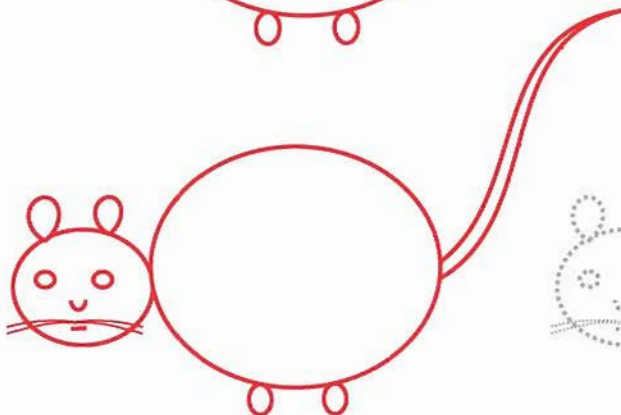
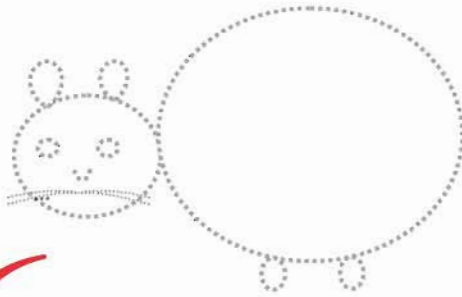
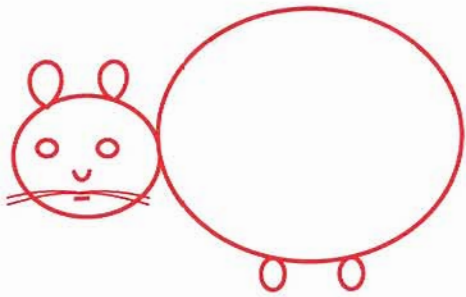
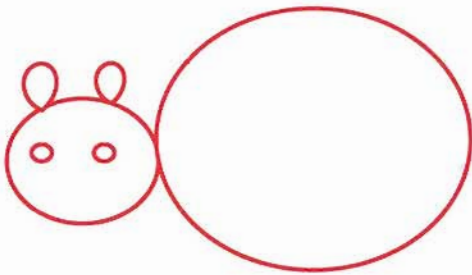
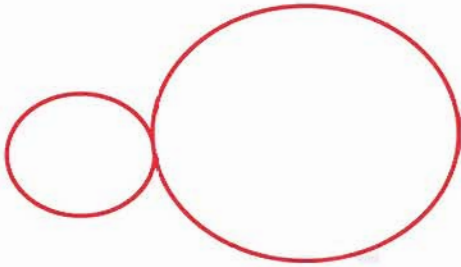
Shall we make animal figures using leaves ?





Let us draw

Come on ! Let us draw a cat.



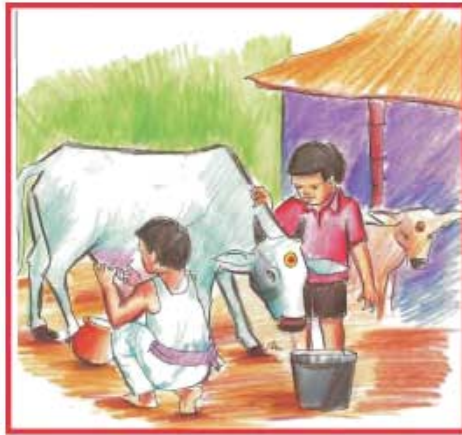
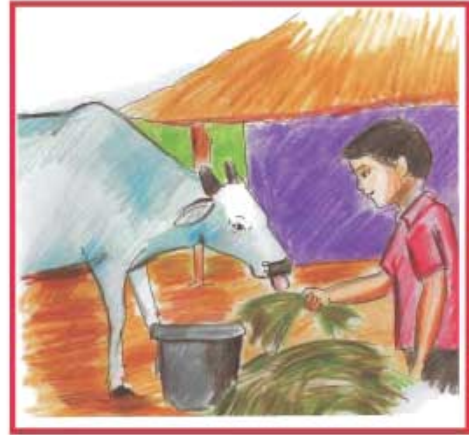


Let us talk



## 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

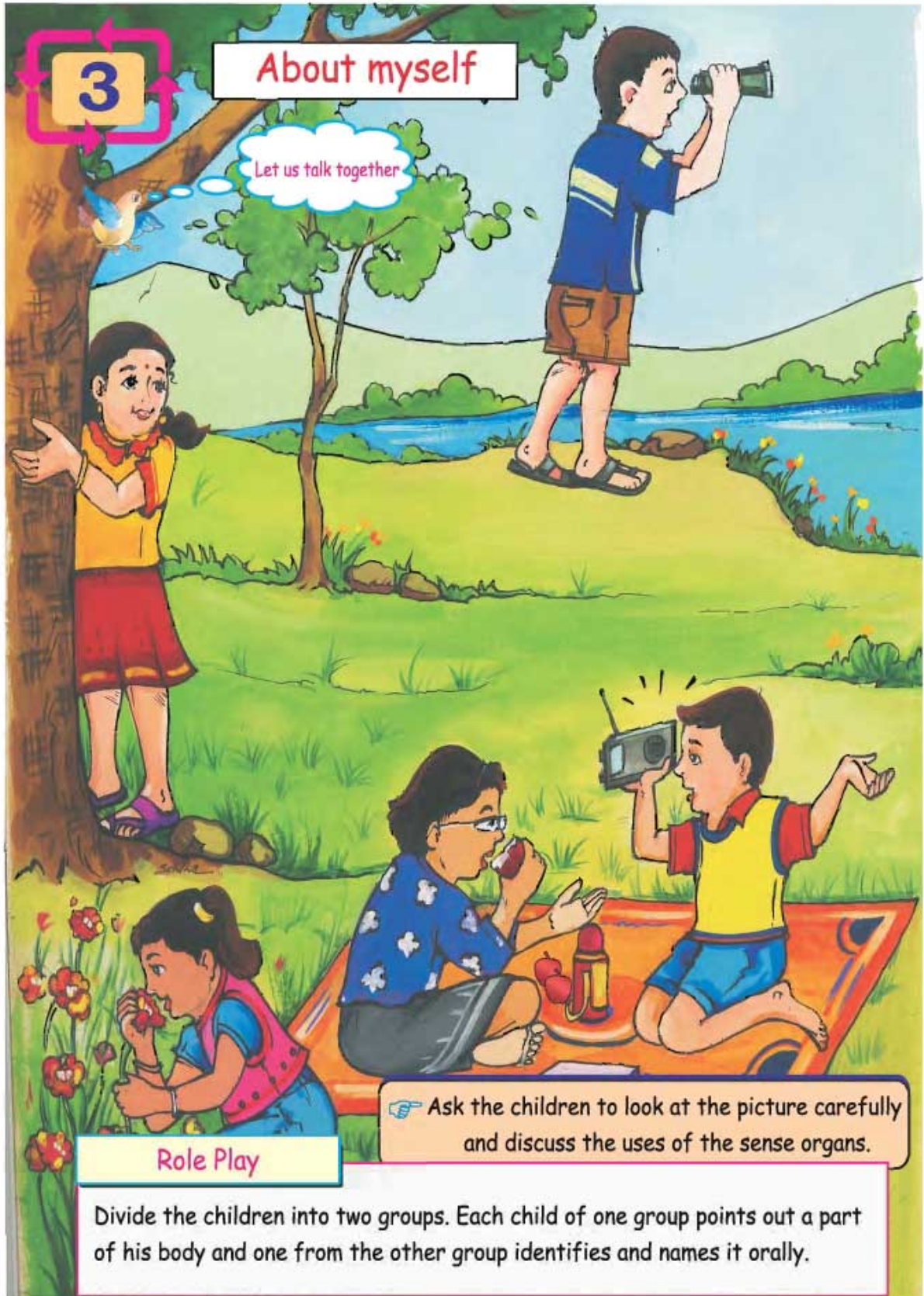
- Shall we match the bird and its feather ?



- 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.



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### About myself

Let us talk together

#### Role Play

Ask the children to look at the picture carefully and discuss the uses of the sense organs.

Divide the children into two groups. Each child of one group points out a part of his body and one from the other group identifies and names it orally.

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 say the name ?

Let us tell the names of the things.



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

👉 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.
- ♦ Make two children clap.
- ♦ Ring a bell.
- ♦ Blow the whistle

 Divide the children into two groups. When one group does the action said above behind the screen, ask the other group to find the action done.



Let us observe  
carefully and find out



Let us match the picture with the sounds.



tick... tick...



quack... quack...



tring... tring...



ding... dong...

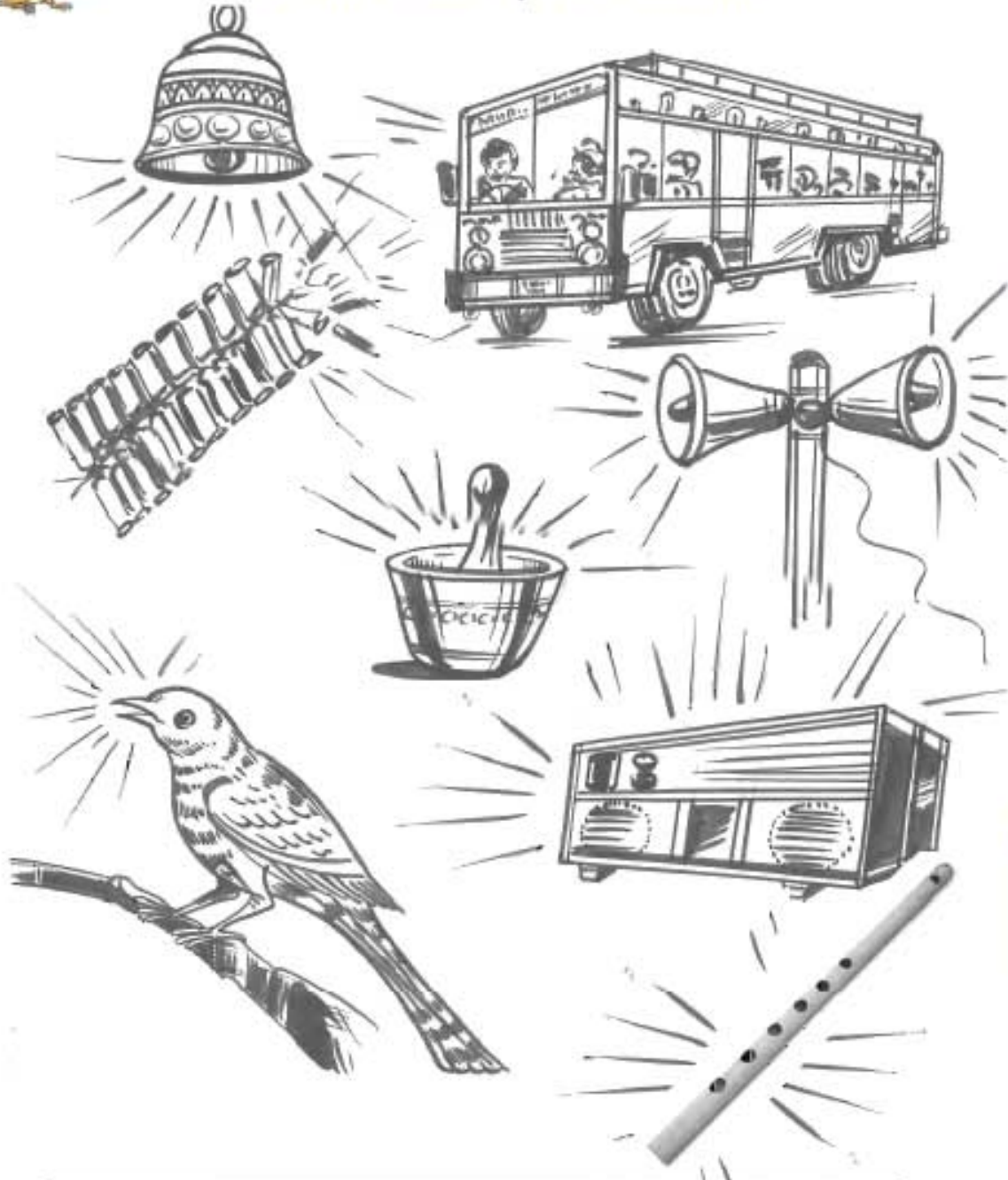


caw... caw...

Let us classify



Let us classify the sounds.

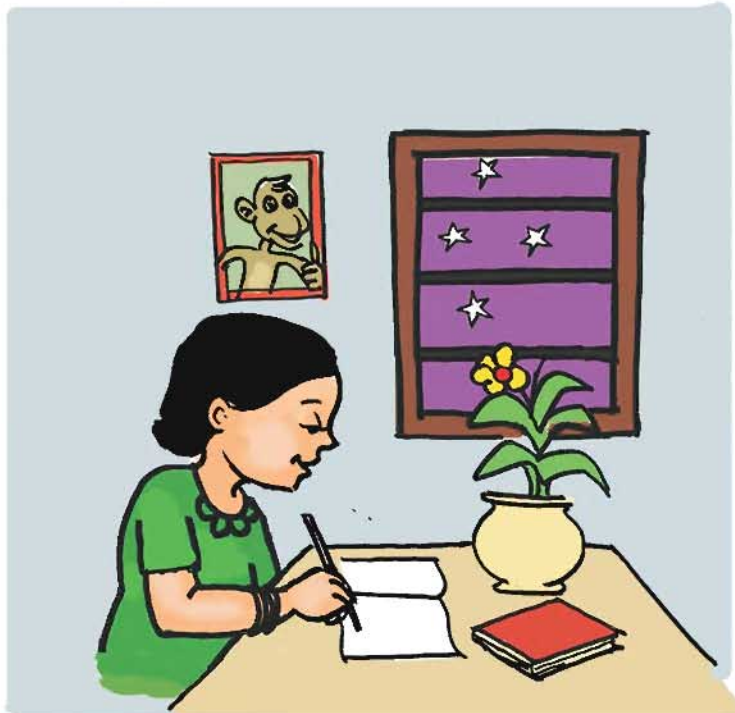


- Help the children to classify the sounds into soft and loud.
- Circle the mild sound.
- Draw a box for the loud sounds.



Let us spot out  
the differences

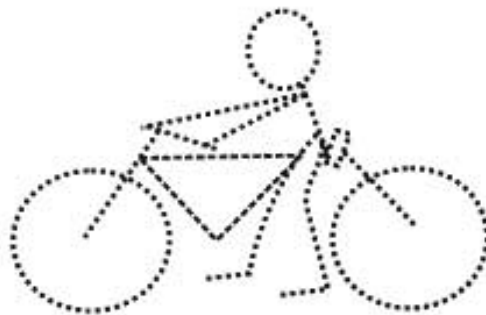
Identify the differences and circle them.





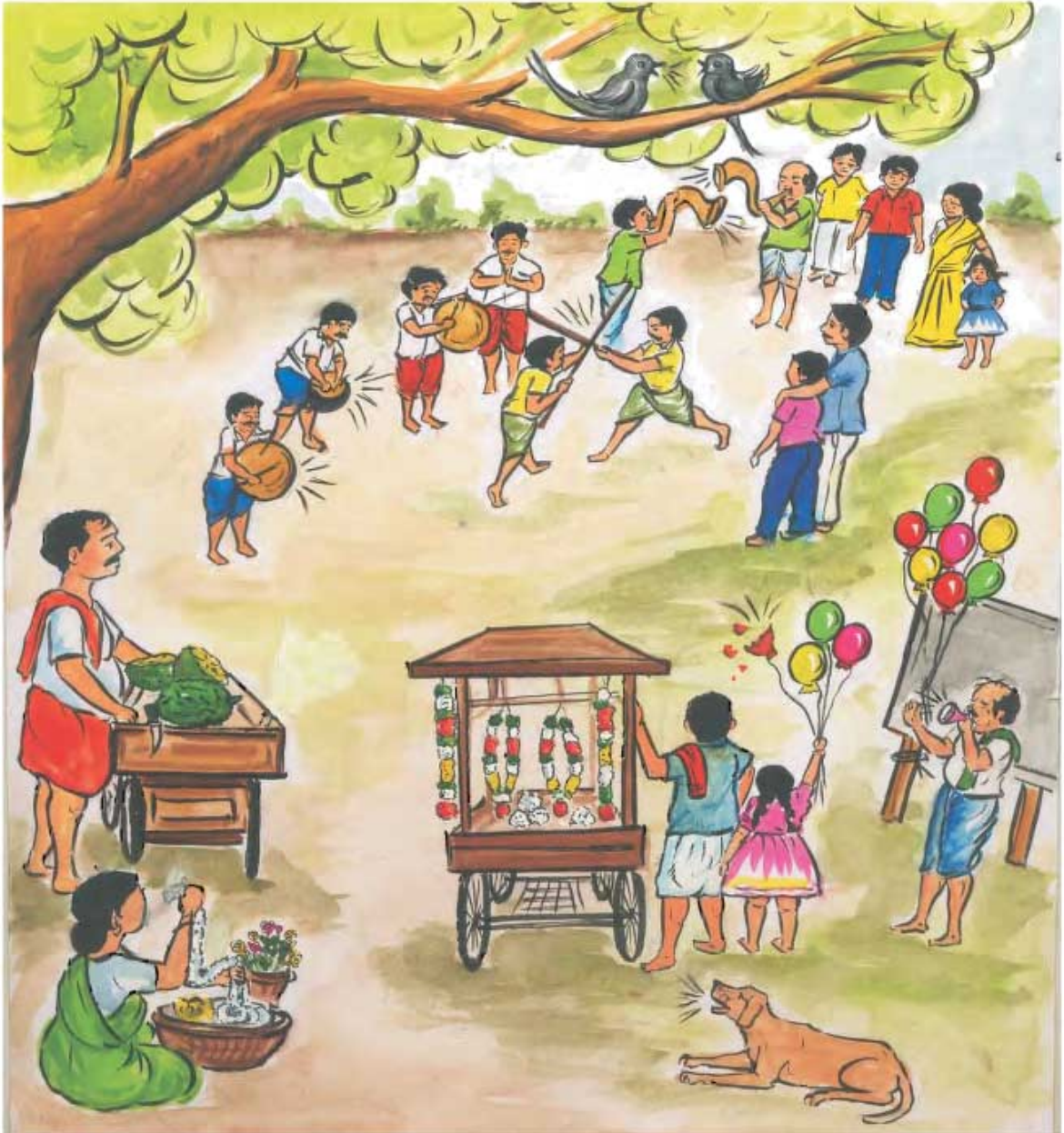
Shall we join dots

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 | _____ |