

ENVIRONMENTAL STUDIES

STANDARD TWO

TERM I

Textbook Team

Chairperson

G. SADASIVAM,

Principal

Shri. Krishnaswamy Matriculation Higher Secondary School,
Annanagar, Chennai-600 040.

Reviewers

K.RAMACHANDRAN

Lecturer, D.I.E.T,
Uthamapalayam,
Theni.

S.SARAVANAN

A.E.E.O. (Science),
D.E.E.O. Office,
Kancheepuram Dist.

Dr. M.SEETHALAKSHMI

P.G.Teacher,
Chennai Girls Hr. Sec.School,
Saidapet, Chennai -15.

Authors

G. NAGARAJAN,

Graduate Teacher,
Panchayat Union Middle School,
Peria Kodunthurai, Musiri, Trichy.

R. ROSLIN JAYA,

P.G Teacher,
B.S.G.R. Krishnammal Girls Higher Secondary School,
Peelamedu, Coimbatore.

K. PRABAHARAN,

Graduate Teacher,
Government High School,
Uthupatti, Tuticorin.

P.J. MARIA AUXILIA,

Graduate Teacher,
Holy Angel Anglo Indian Higher Secondary School,
T. Nagar, Chennai - 600 017.

V. RAJA,

Graduate Teacher,
Panchayat Union Middle School,
Old Seevaram, Kancheepuram.

T. ARCHANAA,

P.G Teacher,
Mahatma Montessori Metric Higher Secondary School,
K. K. Nagar, Madurai.

Text Typists

B. YUVARAJ, B. SUGUNTHI

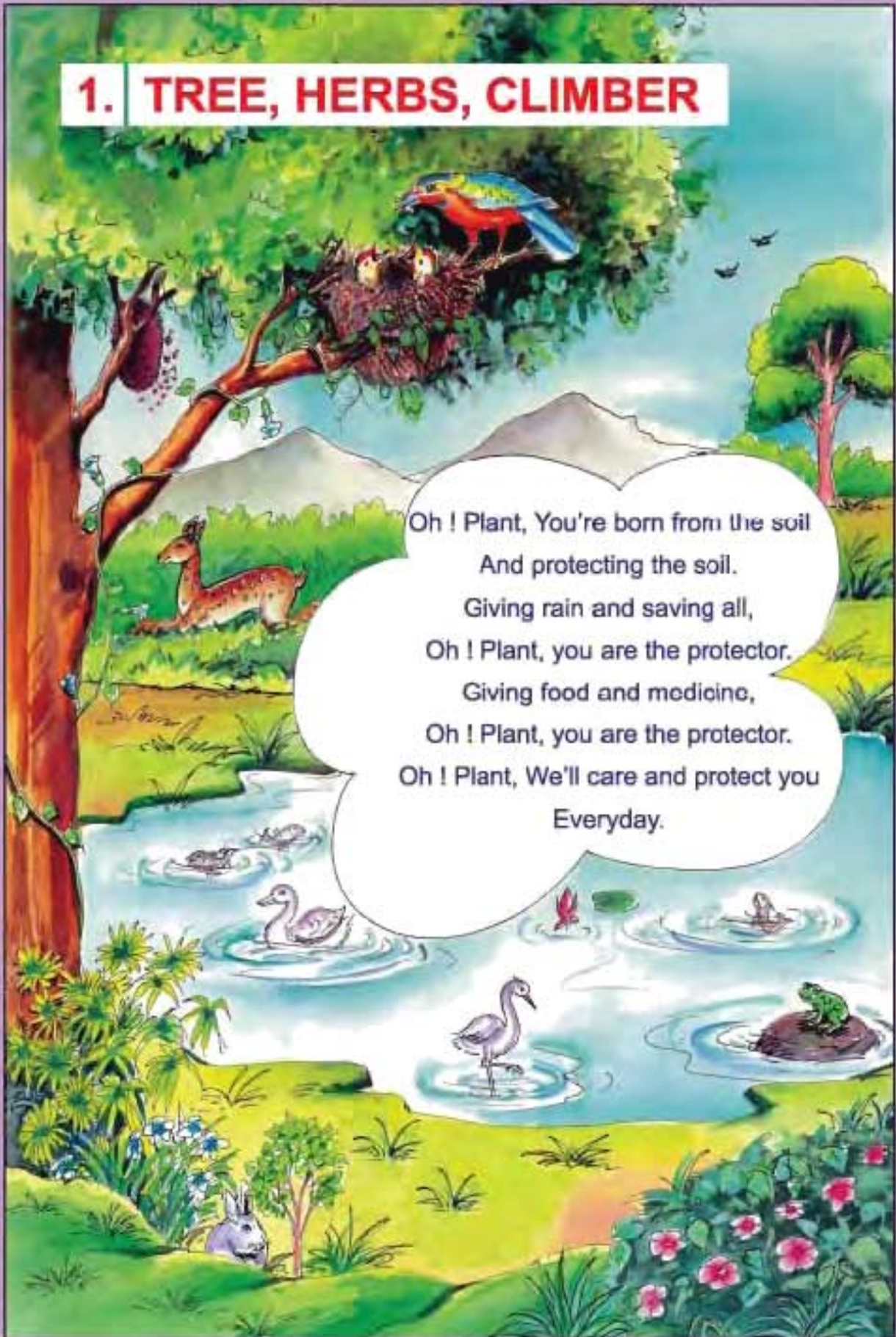
Illustrations

A. KASI VISWANATHAN, M. CHINNASWAMY
N. JAYAKUMAR, N. GOPALAKRISHNAN

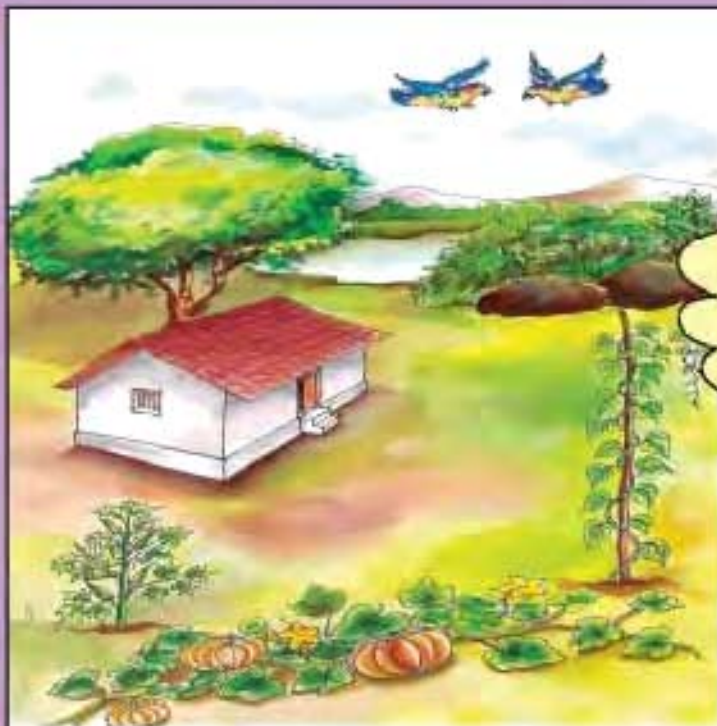
Layout

R. EDWIN,
D. DIVAKUMAR BRINDESI
M. SUNDARAMURTHY

1. TREE, HERBS, CLIMBER



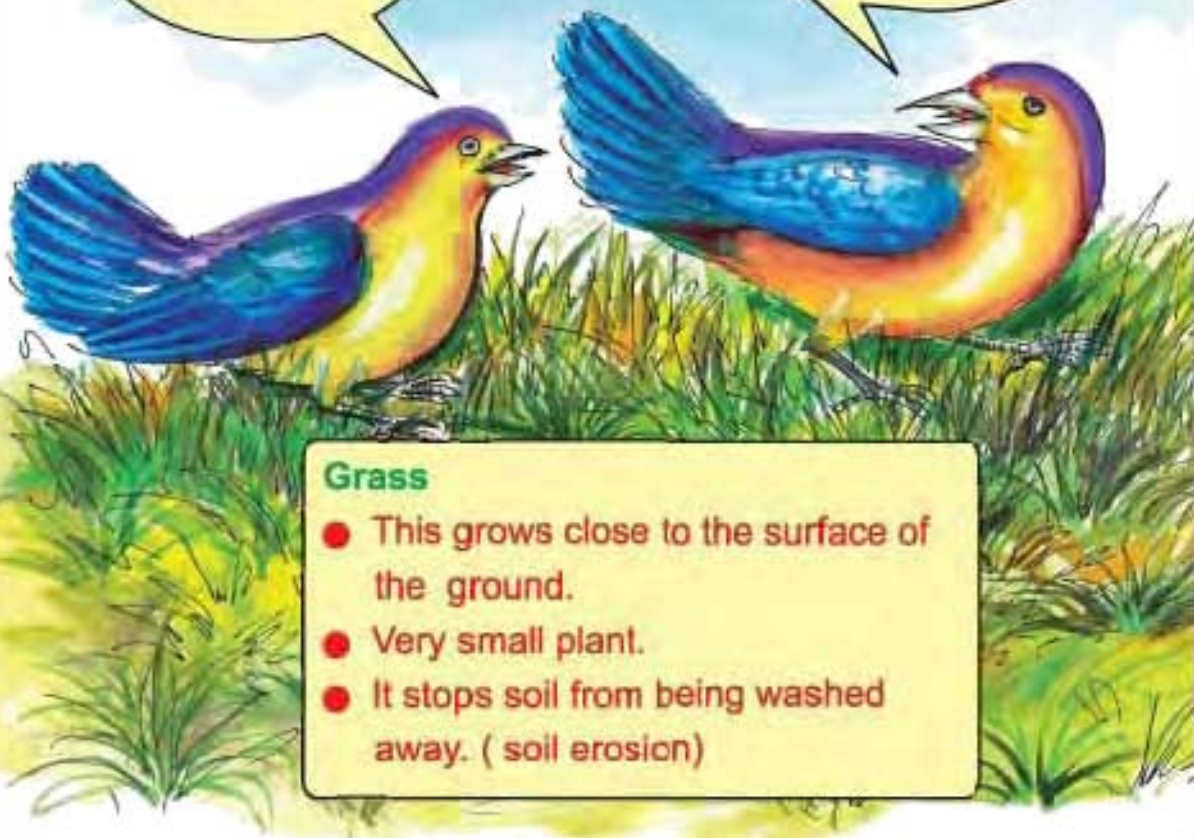
Oh ! Plant, You're born from the soil
And protecting the soil.
Giving rain and saving all,
Oh ! Plant, you are the protector.
Giving food and medicine,
Oh ! Plant, you are the protector.
Oh ! Plant, We'll care and protect you
Everyday.



Two birds are flying
in search of a place
to build a nest.

Shall we
build here?

This is grass.
It is
not a safe place



Grass

- This grows close to the surface of the ground.
- Very small plant.
- It stops soil from being washed away. (soil erosion)



Climber

- Plants with slender and soft stems.
- Cannot stand erect.
- They grow and climb with the help of support.

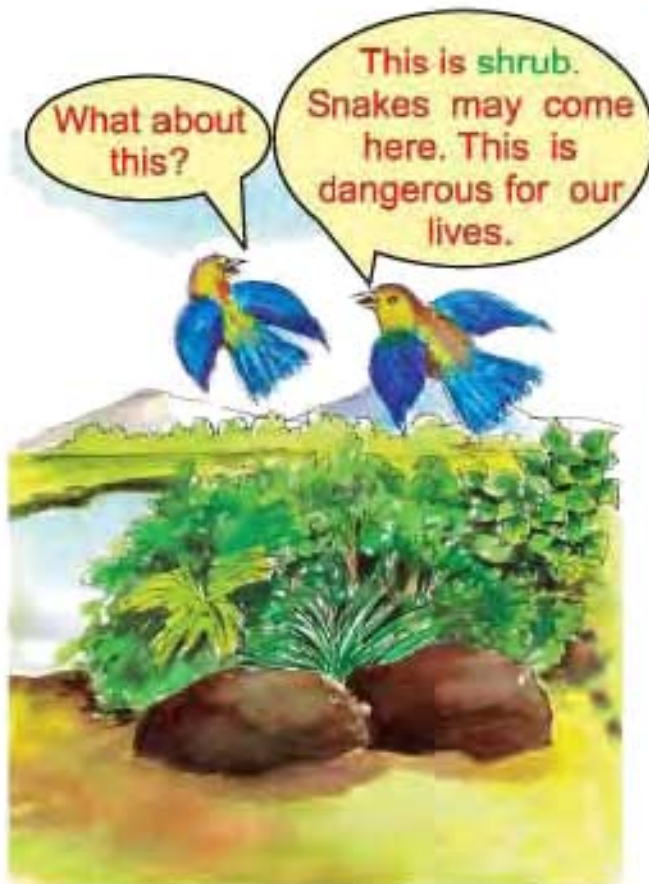
Creeper

- Plants with weak and soft stems.
- Spread and grow along the ground.
- Fruits are big.



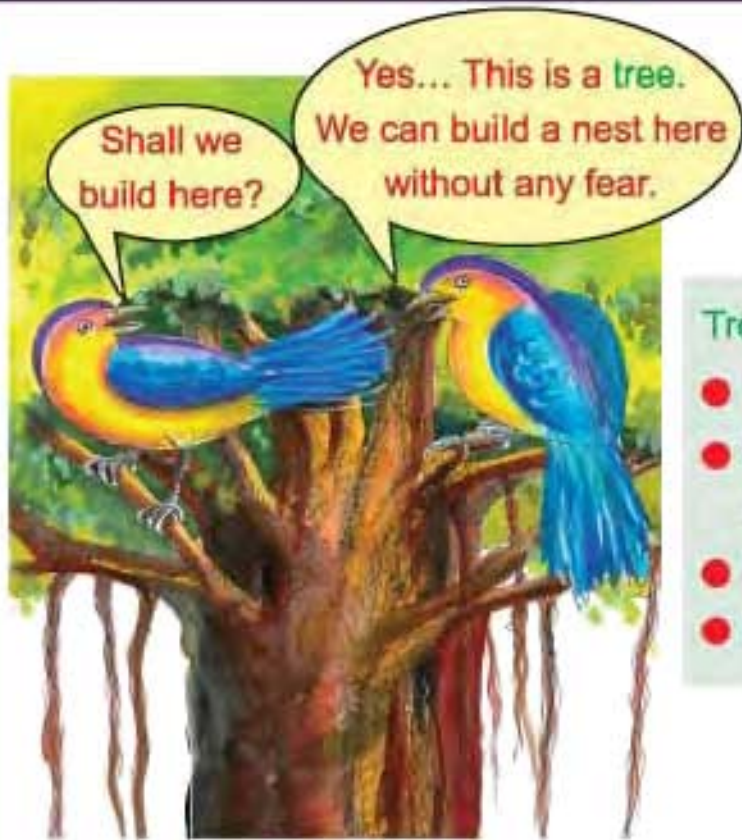
Herb

- Small plant.
- Soft and weak stem.
- Lives for a very short period.



Shrub

- Smaller than trees and appear bushy.
- Strong woody stems.
- Branches grow close to the ground.
- Lives for many years.



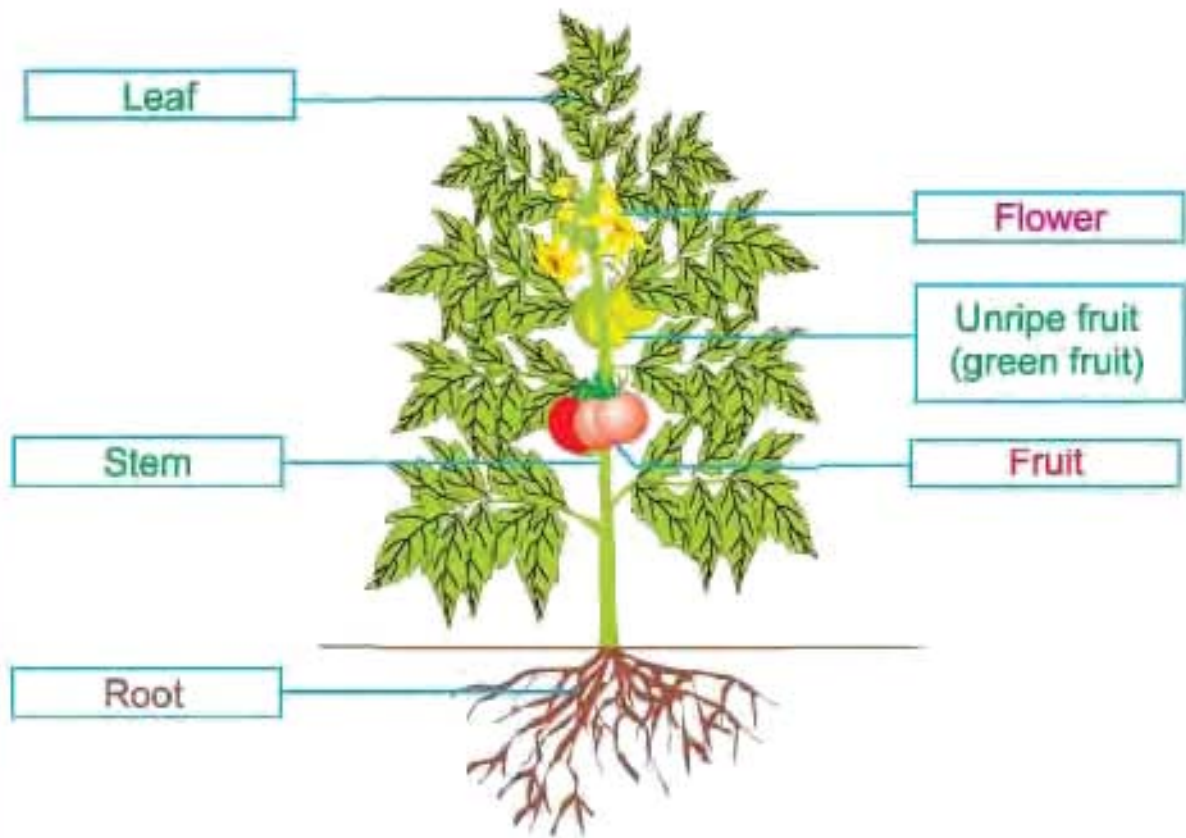
Tree

- It grows tall.
- Stem is thick, woody and strong.
- It has branches.
- Lives for many years.

- What are the types of plants that the birds saw to build a nest?



Shall we know the parts of a plant?

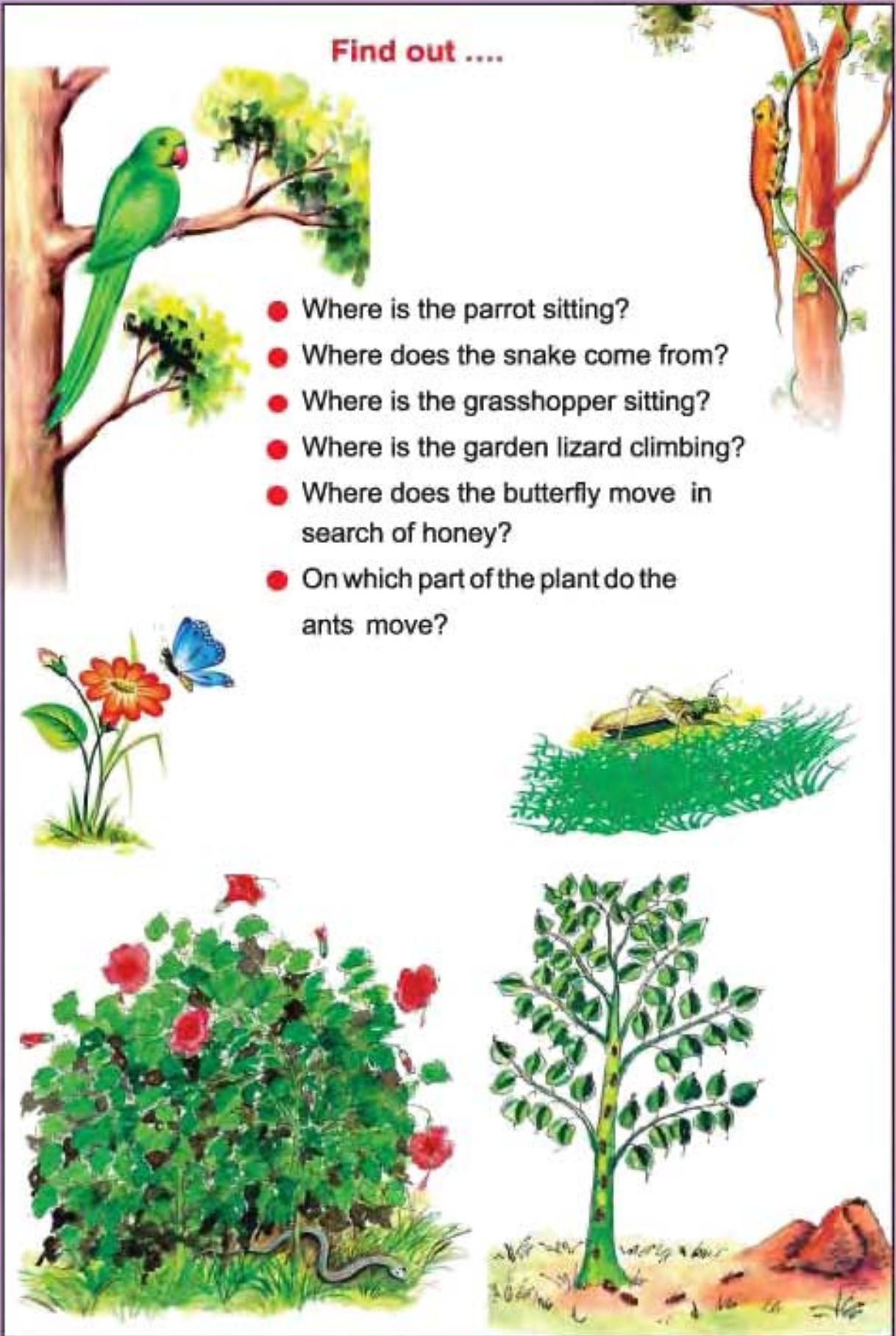


Look at the plants in your surroundings and tell

- Name a plant with a big **flower**.
- Name a plant with thin **stem**.
- Name a plant with broad **leaves**.
- Do you know the **root** helps the plants to stand fixed to the soil?

Root, stem, leaf, flower, Unripe fruit, ripe fruit are the different parts of a plant.

Find out



- Where is the parrot sitting?
- Where does the snake come from?
- Where is the grasshopper sitting?
- Where is the garden lizard climbing?
- Where does the butterfly move in search of honey?
- On which part of the plant do the ants move?

Classify

Tree – 1, Herb – 2, Climber – 3, Creeper – 4, Grass – 5, Shrub – 6



Mango



Rose



Coconut



Grass



Banana



Tulsi



Hibiscus



Pumpkin



Tomato



Snake gourd



Brinjal



Sunflower

Match the following .



● Butterflies fly around me.



● I fix the plant to the soil and absorb water.



● I bear leaves and flowers.

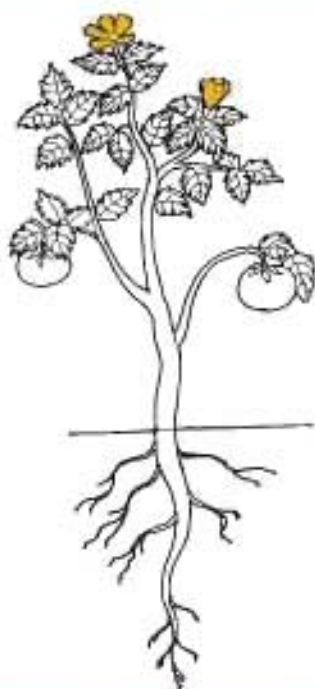


● I am green in colour



● I have a sweet taste.

Shall we write the names of the parts which are coloured ?



Shall we name the plants according to their height?



1. _____
2. _____
3. _____

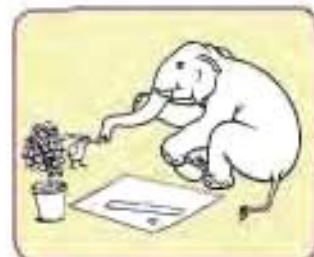
Shall we make a string of leaves?

Collect different kinds of leaves and make a string of leaves.
Hang it in the classroom.



Shall we make?

Collect pictures of trees, plants, climbers and flowers from daily newspapers and magazine and make an album.



Do it yourself!

Shall we dip our hands in coloured water and form a tree with coloured hands?



Shall we collect the information and classify ?

List out the various medicinal plants found in your area and classify them as tree, herb and climber.

S.No	Name of the Medicinal plant	Kind of plant
1.	Tulsi	Herb
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____

Do you know ?

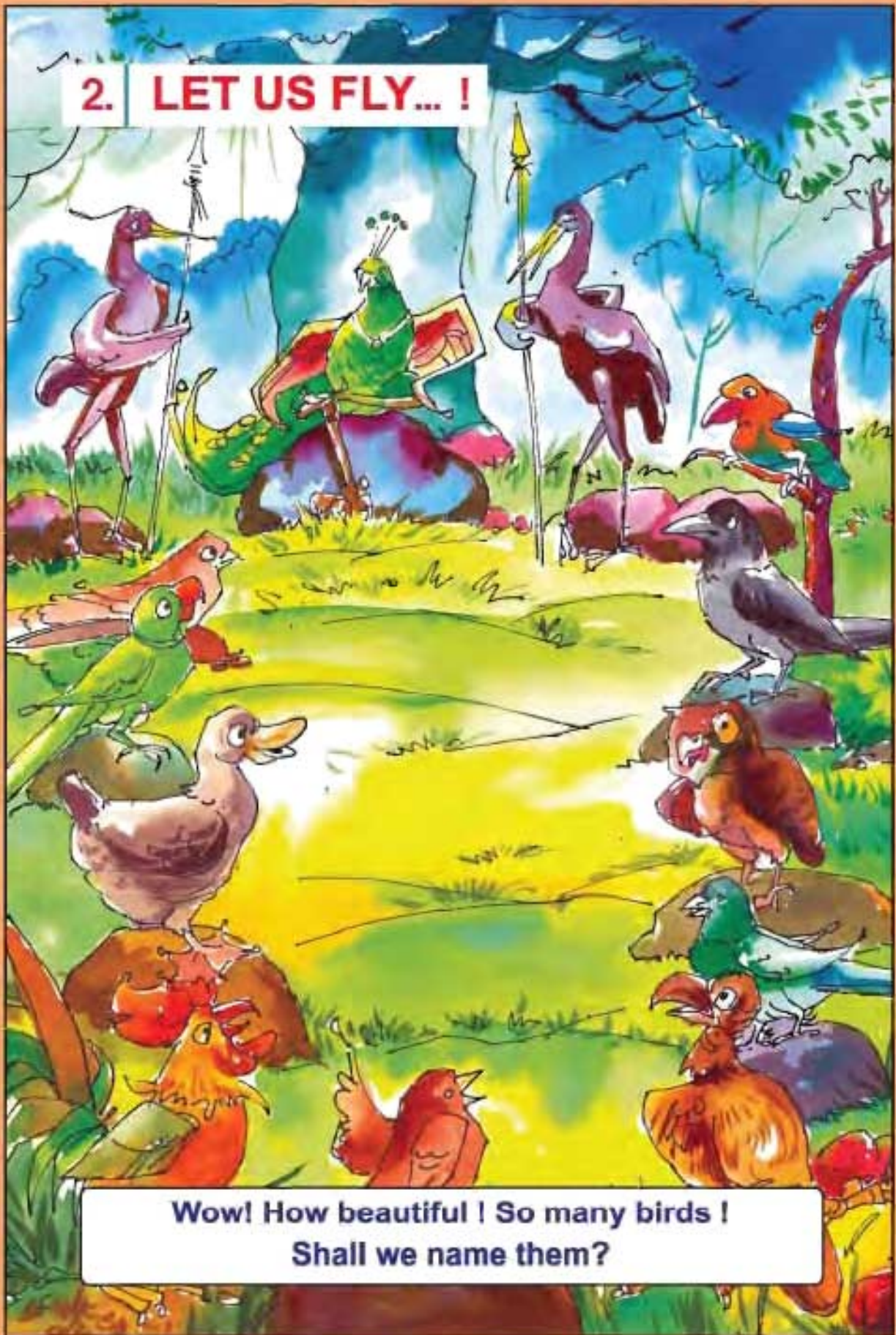


Which tree grows from this seed?

What is essential for the germination of a seed?



2. LET US FLY... !



**Wow! How beautiful ! So many birds !
Shall we name them?**

Find out who I am !

I am green in colour.
I shout "kee...kee.."
My beak is red.



I have webbed feet.
If I walk fast,
I will fall down.
I shout
"quack...quack..."



My eyes are big.
I can view in
different directions
only when I rotate my
neck.



I am white in colour with
long legs and beak.
I catch fish
with my beak.



I am black in colour.
I cry caw...caw...
I share my food
with others and eat.



Identify and write the name of the bird with the help of the colours given below:

S.No	Colour of the bird	Name of the bird
1.	White	Dove _____
2.	Black	_____ Crow
3.	Green	Parrot _____

Find out the food of birds



- Birds that eat fruits _____ .
- Birds that eat worms and insects _____ .
- Birds that eat fruits and insects _____ .

Have you seen the nests of birds ?



Birds...

- Build nests in trees and live in them.
- Live even in holes.
- Build nests with leaves also.

Name some other places where you have seen birds building their nests...



To build a nest...

- Stick,
- Thread,
- Cotton,
- Fiber,
- Leaf

Do birds build their nests using any other thing ?



Discuss.....

Parental care in birds....



Birds :

- Lay and hatch their eggs.
- Protect their young ones in their nest.
- Take care of their young with love.
- Feed their young ones.
- Also protect the young ones from enemies.



Name the birds found in the picture....

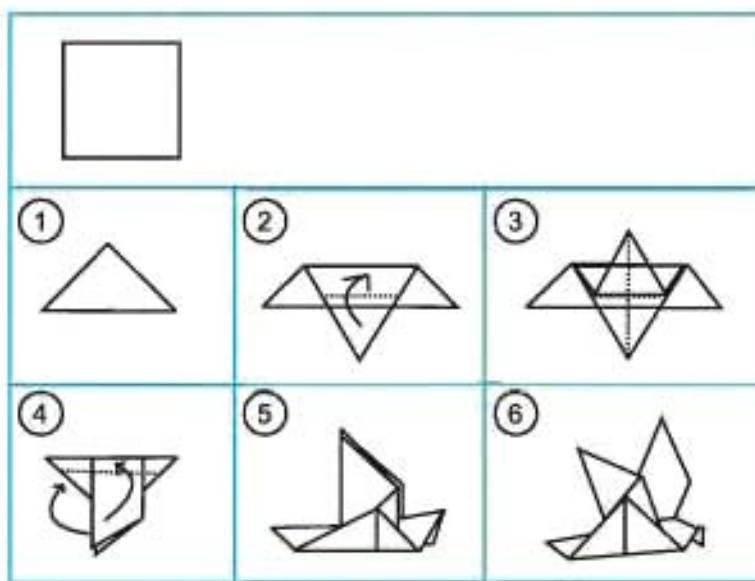


Answer the riddle

- I fly high, but I am not a sparrow.
who am I ? _____
- I dance, but I am not a dancer. _____
who am I ? _____
- I can see only in the night but I am not blind.
who am I ? _____
- I stand on one leg and wait for the fish, but I am not a sage.
who am I ? _____

Do and see....

Shall we fold the paper and make a bird ?



Do You know?

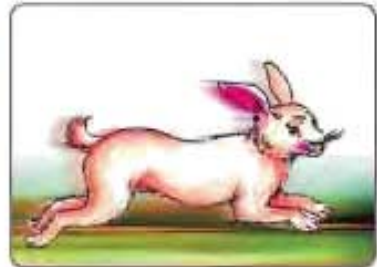
Some birds do not build nests. why ?



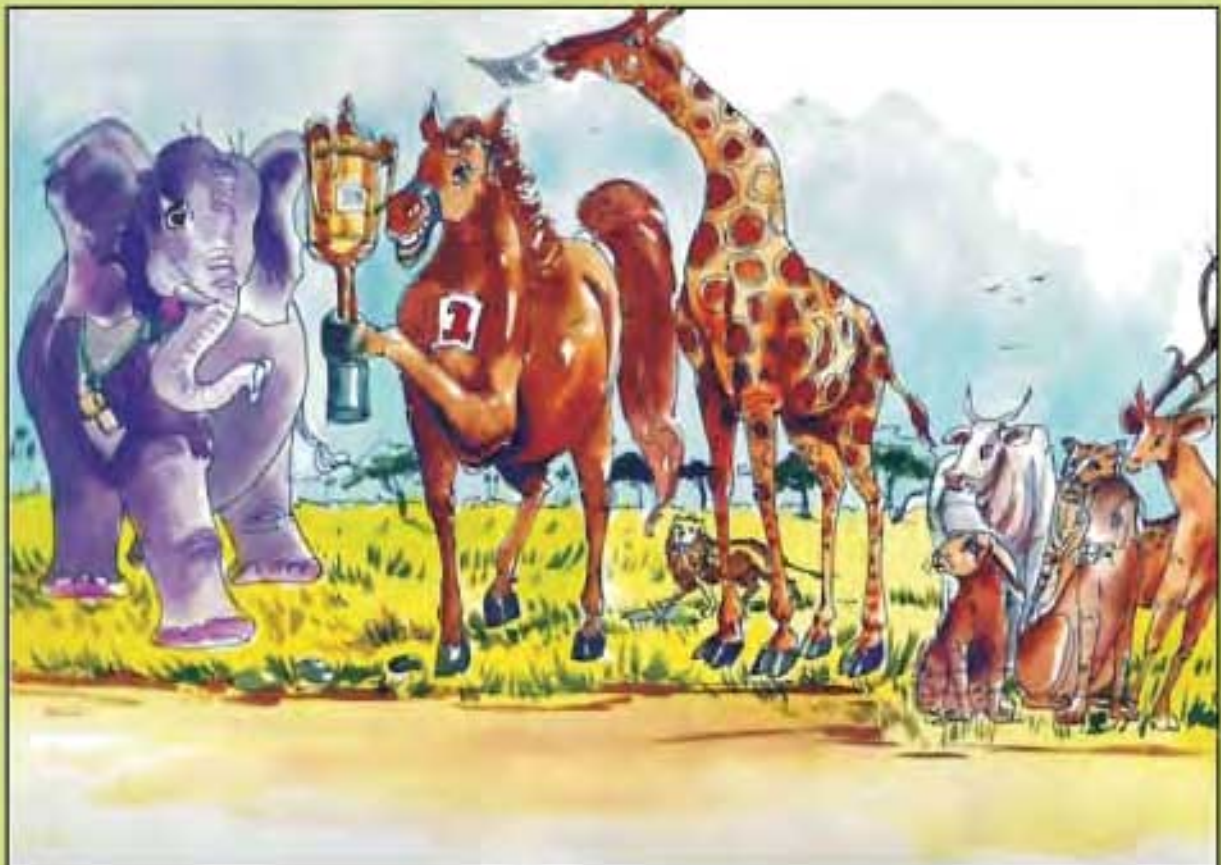
3. ANIMALS



Animals are ready for a race in the forest.



- Which animal do you like in the race?
- Which animals are conducting the race?



Name the animals that took part in the race.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Which animal won the cup? _____

Do you know us?



I have spots on my body.
I run fastly.



I am the tallest among the animals.
I have a long neck.



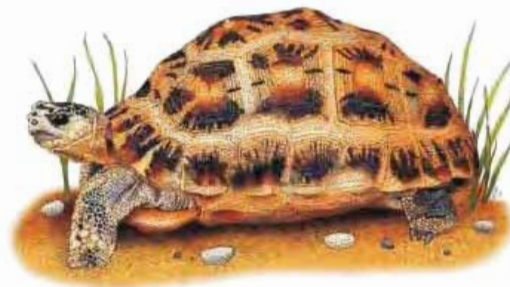
I give milk.
I am a domestic animal



Leaves are my food. My dung is
useful to the plants as manure.



I have a trunk. I am strong.
I can break the branches.



I live in water and on land.
I cannot run fast.



I look like a dog. I howl.



I have stripes on my body.
I hunt animals.



What is my food?
Look at the picture and tell.

Squirrel _____

Crocodile _____

Giraffe _____

Deer _____



Look, how I live with my parents



I am with my mother who protects and carries me.



I live happily in the care of my mother.



I am with my mother she feeds me happily with milk.



Even when feeding me,
my mother protects me.



I go behind my mother when
she goes in search of food.

When I travel with her, my
mother bears me happily.



Friends! Save us from extinction.



Rhinoceros



Kadamba forest bull



Red panda bear



Lion

Answer the puzzle and draw us

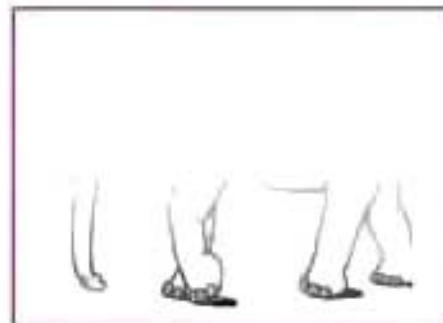
Fore limbs are short. Hind limbs are long. Ears are long. Eyes are red.

Who am I ?



I have big ears. Front teeth are long. People can climb on my back. I bless the children and others.

Who am I ?



Do you know?

Whale is the largest animal. It goes to the depth of

1000 meters to 2000 meters

in search of food. It is capable of holding its breath for

90 to 100 minutes.

This is not a **fish**.

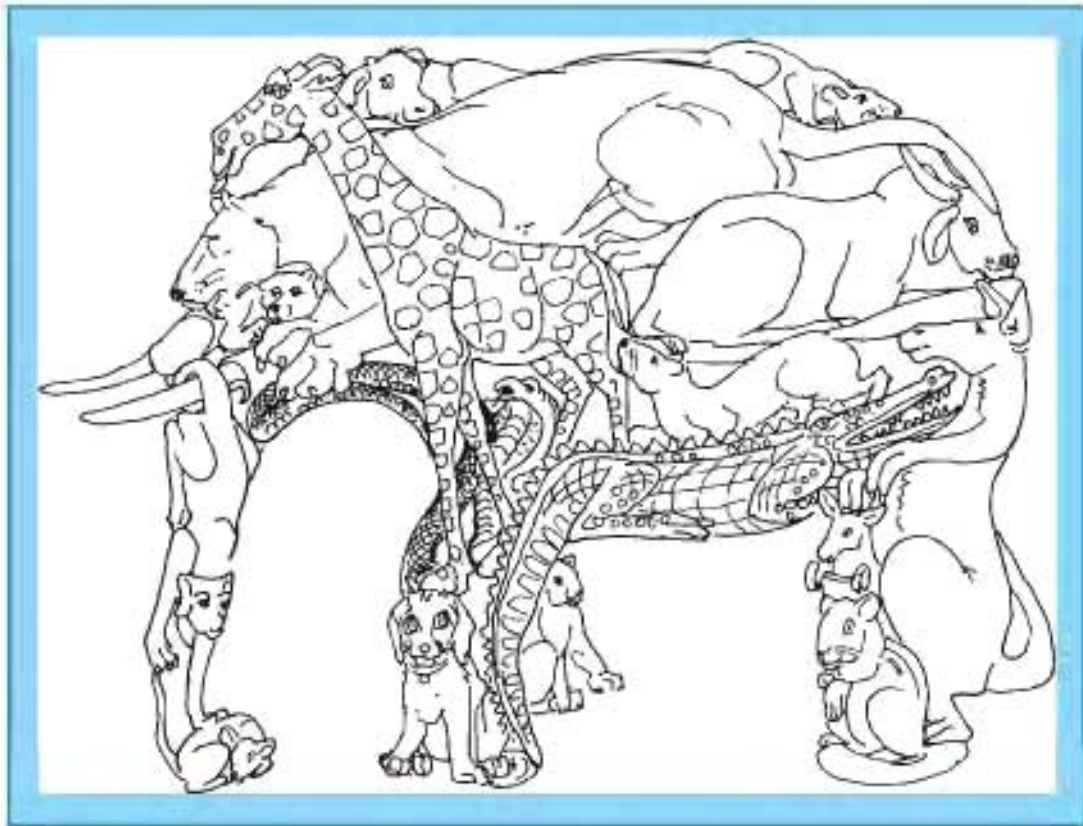
This does not lay **eggs**. Gives birth to young ones and feeds them with milk.



Match the tails of animals....



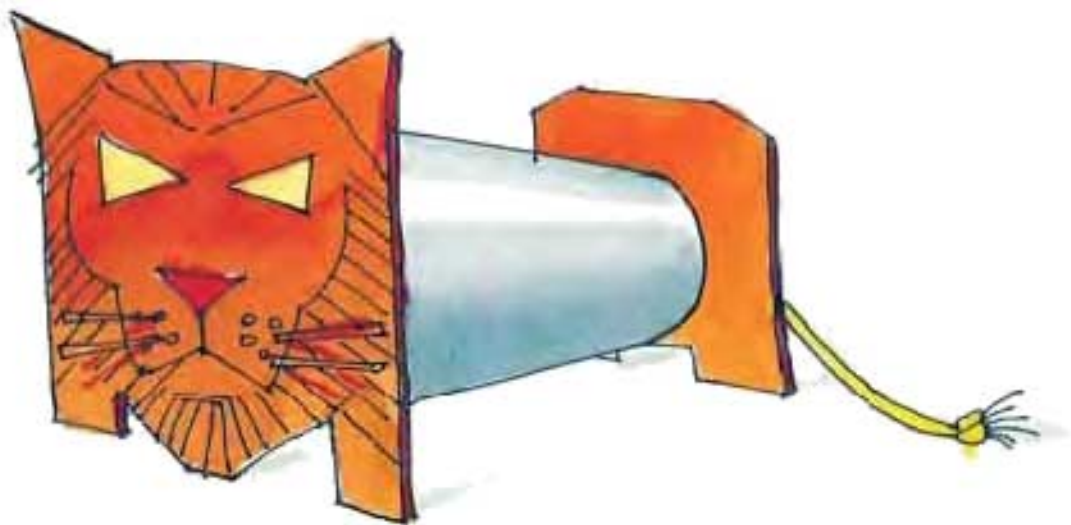
Find out the wild animals and domestic animals from the picture and write their names.



Domestic Animals	Wild Animals

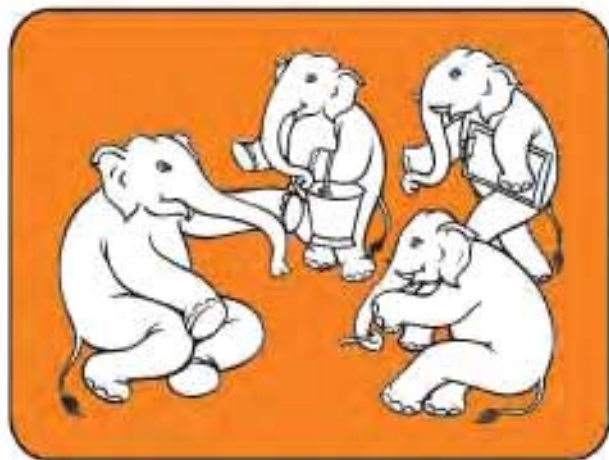
Shall we make cotton reel animals !

- Draw animal faces and tails like these on a thick card. The front and back should be thick about the same size. Colour and cut them out.
- Use a cotton reel and stick the front and back of each animal to it.
- Try out the same for different animals that you like.



Shall we discuss ?

Collect information from your parents about the functions of Blue Cross and discuss with your friends.



Shall we fill up the tabular columns on the blackboard!

Date :		II std	No. on Roll : 34 No. Present: 32
Animals that lay eggs	Animals that give birth to young ones		
_____	_____		
_____	_____		
_____	_____		
_____	_____		

_____ lay eggs and hatch them.

_____ give birth to young ones and feed them.

Do you know ?

Squirrels keep gnawing with their front teeth. If they do not do this, the teeth may grow very big and they will not be able to chew, As a result, they may die without food.



Do you know ?

How do we differentiate Peacock and Peahen?



4. OUR BODY



Eye! See only the good things.
Ear! Hear only meaningful things.
Nose! Smell only sweet things.
Mouth! Talk only lovingly.
Hand! Write beautifully.
Leg! Walk bravely.



Look at your friends in the playground.



What games are they playing?

What games do you like?

Simple exercises help to keep our body fit and healthy.

Shall we write the parts of the body?



Radha is wearing **earring** on her _____

Raja is wearing a **cap** on his _____

Radha is wearing **anklets** on her _____

Radha is wearing **bangles** on her _____

Raja is wearing **spectacles** on his _____

Radha is wearing **beads** on her _____

Our body has many parts like head, eyes, ears, nose
mouth, neck, hands and legs

Let us write the parts of the body and the senses linked to these pictures.









We.....

**see with our eyes,
hear with our ears,
smell with our nose,
talk with our mouth,
taste with our tongue.**

Observe the activities. Identify the right and left parts of the body.



Radha throws the disc with her **right** hand.

Raja kicks the ball with his _____ leg.

Kala is touching her _____ ear.

Ramu is driving the palm shell cart with his _____ hand.

Selvi is wearing a watch on her _____ hand.

Sundhar is carrying a bag in his _____ hand.

Who am I ? Do you know ?

I contract and expand while breathing. Who am I?

I beat on an average of 72 times in one minute. Who am I?

I am the reason for your thinking. Who am I ?



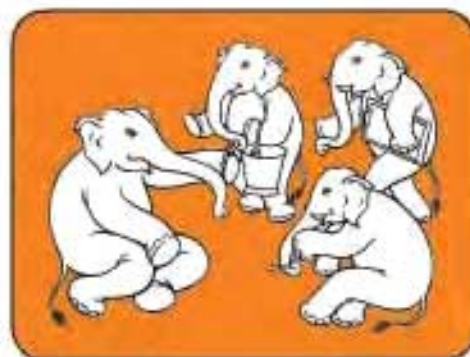
Shall we see a puppet show!

Make puppets of the parts of the body with the help of cardboard and sticks and conduct a show in class as if each part is speaking about its importance.



Shall we discuss!

Discuss the information about the uses and the protection of the different parts of the body like the eyes, ears, hands, legs, nose and mouth with your friends.



Do you know?

The internal organs of the body.

