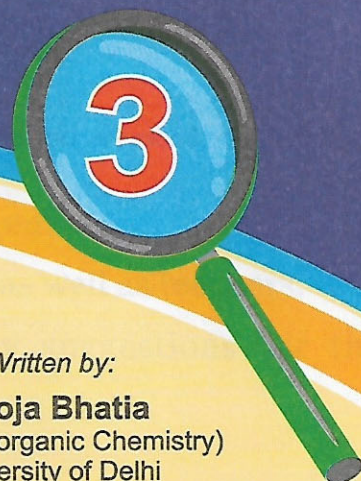


Evershine

Learn & Grow

Science

A book of Science



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Preface

Science books are prepared to take the learners from rote memory to self-learning, making each learning experience unique. It is strictly based on the latest guidelines presented by the NCERT. The series provides a direct and stimulating way for young readers to access information on science and its linkage with the environment.

The books are designed in a child-friendly manner aiming to ensure that all learners acquire knowledge and understand the topics in a better way.

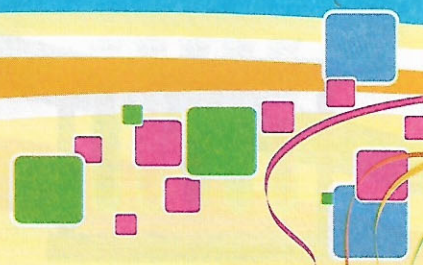
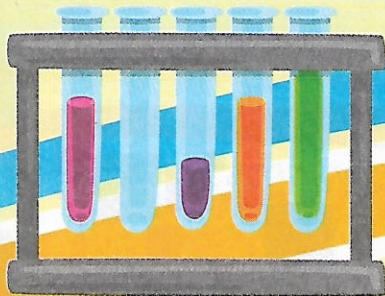
Key Features of the Series :

- Simple and lucid language to make learning easy.
- Self-explanatory illustrations for better understanding.
- **Fascinating Facts** to enhance knowledge.
- **Oral Questions** to give revision practice.
- Interactive and child-oriented approach.
- ‘**HOTS**’ to enhance higher order thinking skills.
- **Life Skills** to give additional knowledge.
- **Recap** for recapitulation.
- Guidelines for teachers for effective teaching.
- **Model Test Papers** to access the retention capacity of children.

It is hopeful that this series will be beneficial for both children as well as teachers.

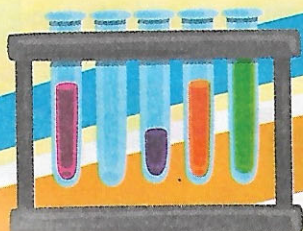
However, there is always a scope of betterment, so any suggestions for the improvement of the series will be highly appreciated.

— Publishers



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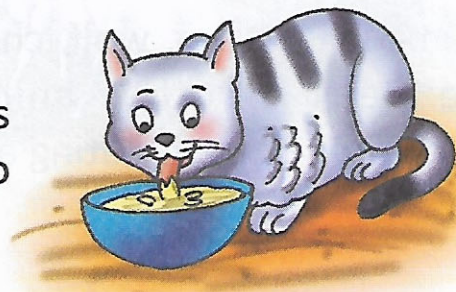


Food and Feeding Habits of Animals

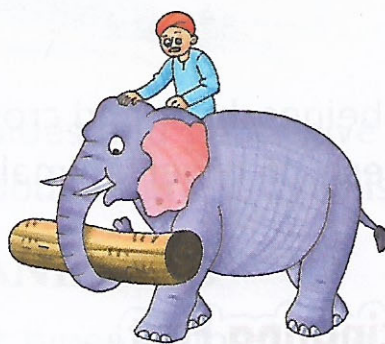
Learning Outcomes

- ❖ Need of food
- ❖ Type of animals based on feeding habits
- ❖ Food for domestic animals
- ❖ Different feeding habits

Like us, animals also need food to live. Food gives them energy and helps them to grow. They also need food to stay healthy.



A small kitten sucks its mother's milk and soon grows into a cat.



Animals like horses and elephants carry loads. They need energy to do work. Food gives them energy.



A pet dog is usually healthier than a stray dog. This is because the pet dog gets enough healthy food.

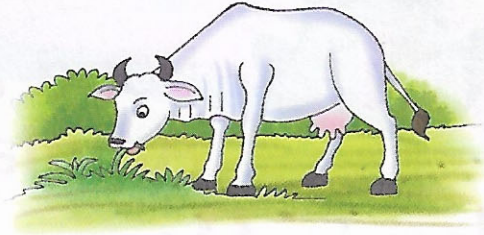
FOOD OF ANIMALS

Different animals eat different kinds of food. Some animals eat plants and their parts. Some animals eat the flesh of other animals. Some eat both plants as well as flesh of other animals.

According to the feeding habits, animals are classified into groups — **herbivores**, **carnivores**, **omnivores** and **scavengers**.

1. Herbivores

Animals like cow, goat, buffalo, sheep, horse, deer, monkey and elephant eat grass and green plants. They are called **herbivores** or **plant-eating animals**.



Herbivore

2. Carnivores

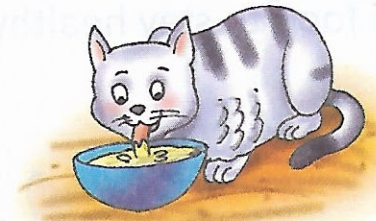
Animals like tiger, wolf, cheetah, lion, fox, etc. eat the flesh of other animals. They are called **carnivores** or **flesh-eating animals**.



Carnivore

3. Omnivores

Animals like cat, dog, human beings, bear and crow eat both plants as well as flesh of other animals. They are called **omnivores**.



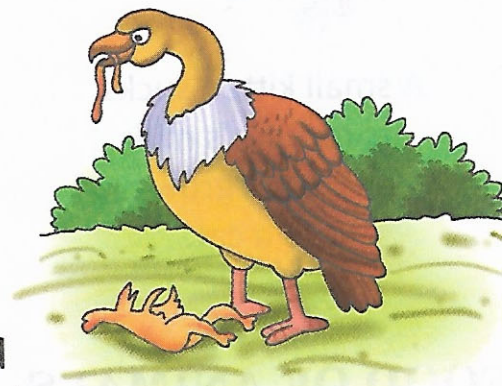
Omnivore

Fascinating Fact

Human beings are also omnivores.

4. Scavengers

Animals like hyena, vulture, etc feed on dead and decaying animals. They are called **scavengers**.



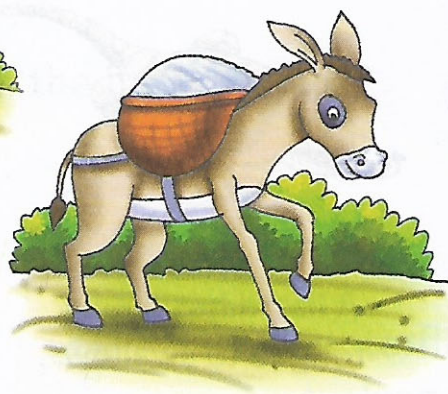
Scavenger

Oral Question

Why are scavengers also called the sweepers of the jungle ?

FOOD FOR DOMESTIC ANIMALS

Domestic animals are very useful to us. They do a lot of hard work. We must take care of their food requirement to keep them healthy and active. Animals like donkeys, oxen, elephants, camels, horses, etc. do heavy work like carrying load or working in farms. They need more energy. So, they must be fed with energy-giving foods like oats and food.



Some animals like cows, buffaloes and goats give us milk. They must be fed with more of milk-producing food like grass and oilseeds.

FEEDING HABITS OF ANIMALS

Different animals eat different types of food. The feeding habit of an animal depends upon the type of food it eats, the shape of its mouth, the mouth parts — jaws and teeth of the animal.

Let us learn about the feeding habits of different animals:

Animals that eat grass and chew the cud

Some grass-eating animals like cows, buffaloes, etc. first swallow the food without chewing it. Then after sometime, they bring it back to the mouth and chew it. This is called **chewing the cud**.

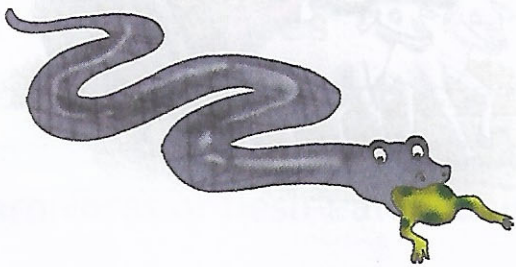


Chewing the cud

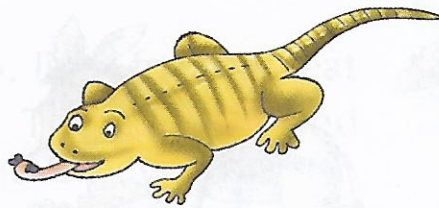
Such animals have sharp biting teeth in the front and broad grinding teeth at the back to chew it.

Animals that swallow their food as a whole

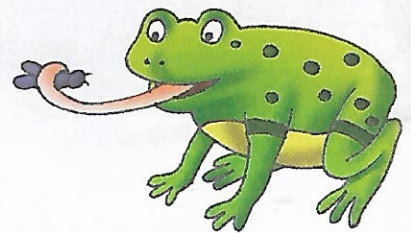
Animals like frog, snake and lizard do not chew their food. They swallow food as a whole. Such animals do not have chewing teeth. They can open their mouth very wide.



A snake swallows its food whole.



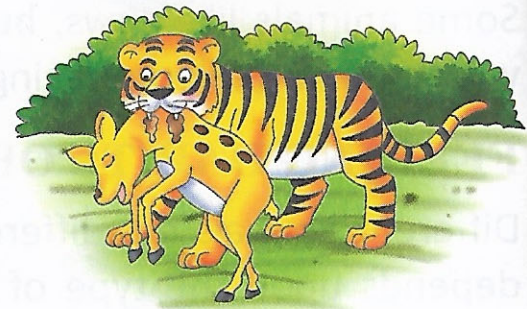
A lizard has a long tongue to swallow.



A frog swallows insects with its tongue.

Animals that tear flesh

Flesh-eating animals like lions, tigers, wolves, etc have long sharp pointed teeth to tear the flesh. They have strong grinding teeth at the back of their mouths. These help them to chew flesh and crack bones.



A tiger has sharp, long pointed teeth.

Animals that gnaw

Animals like rats, squirrels and rabbits have very sharp front teeth. Such teeth are called **gnawing teeth**. These teeth help them to bite nuts and fruits.



A squirrel gnawing seed

Animals that take liquid food

Animals like cats and dogs lick water or milk with their tongue.



A cat licking
milk



A dog lapping
milk

Animals that suck

Animals like leeches, mosquitoes, bugs, etc suck blood from the bodies of humans as well as animals.

They suck the blood with the help of their suckers.

Fascinating Fact

*An elephant sucks
water through its
trunk.*



Butterfly sucking
nectar.



Leech sucking
blood.

Butterflies and honeybees have long sucking tubes. They suck nectar from flowers with the help of their sucking tubes.

RECALL

- ❖ Animals need food to grow, to work and to stay healthy.
- ❖ Animals can be classified as herbivores, carnivores, omnivores and scavengers.
- ❖ Different animals have different eating habits.
- ❖ We must give proper food to domestic animals.

Exercise

A. Answer the following questions :

1. Why do animals need food ?
2. What are herbivores ?
3. What are scavengers ?

4. Name some animals that gnaw their food.

5. Name some animals that tear the flesh.

B. Tick (✓) the correct option :

1. Which of these will chew the cud ?



b)



c)



2. Which animal swallows its food as a whole ?



b)



c)



3. Which animal sucks nectar ?



b)



c)



4. What kind of food should be given to beasts of burden ?

a) Energy-giving food

b) Body-building food

C. Match the following :

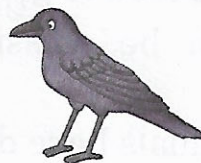
1. Herbivore

a)



2. Carnivore

b)



3. Scavenger

c)



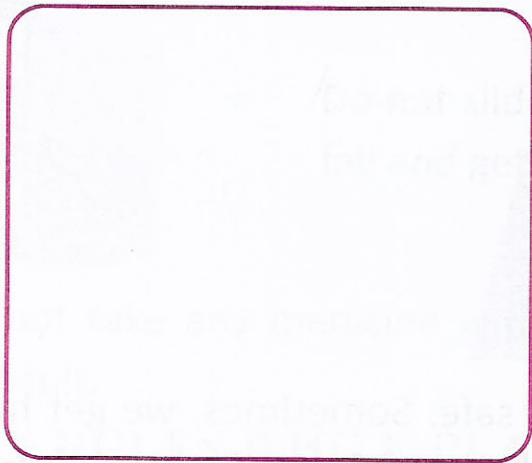
4. Omnivore

d)

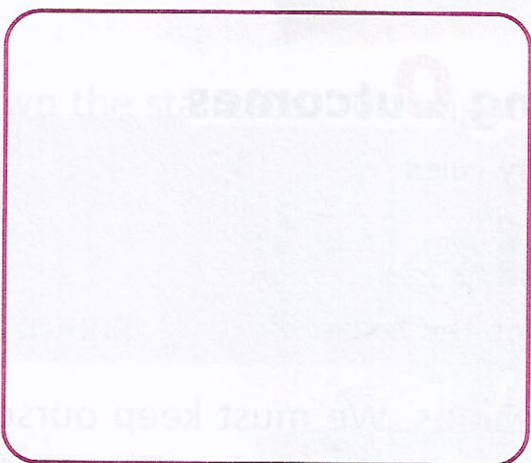


Which animal eats about 40 tonnes of food everyday ?

A. Collect pictures of herbivores and carnivores and stick them here :



Herbivores



Carnivores

B. Join the dots :

SAVE THE TIGER

Life Skills

What do you do with the leftover food ?
Do you throw it away ?
The next time food is left over, give it
to birds, stray dogs, cows and cats.

