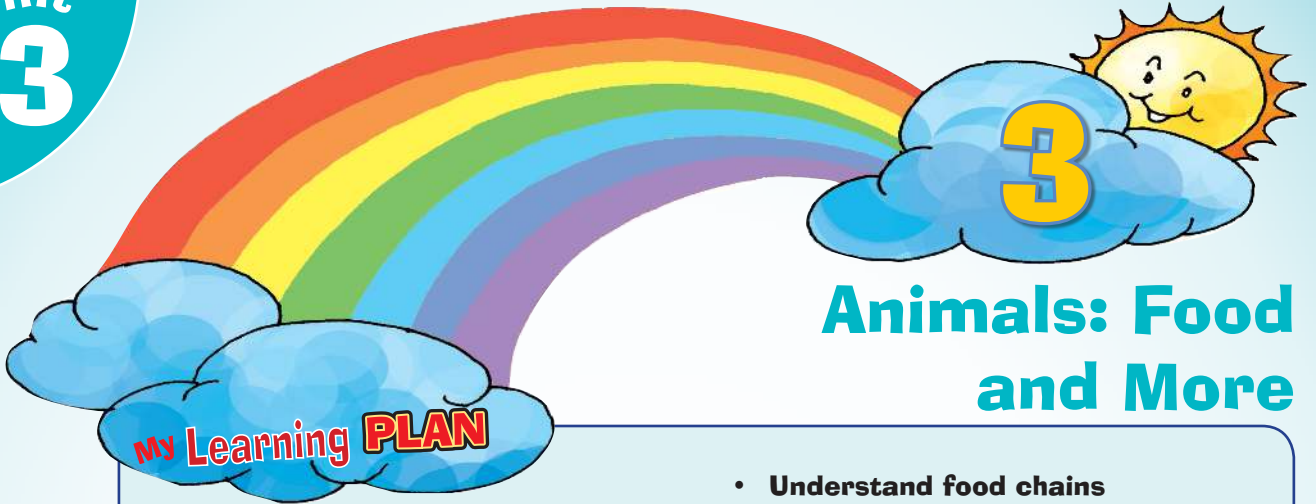




- Classify animals into herbivores, carnivores and omnivores

- Understand food chains
- Learn how animals eat
- Know about domestic animals



## WARM-UP

## 1. Trace the animals to their homes.



Animals need food to grow. Food gives them energy to move and work.

Make a list of animals that you commonly see. Now, find out what they eat. You will see that each of them eats different kinds of food.

| Animals | What They Eat |
|---------|---------------|
|         |               |
|         |               |
|         |               |

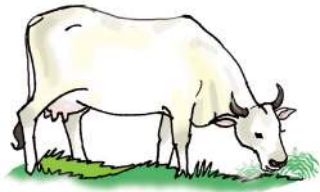
You know that plants make their own food while animals do not.

Animals either eat plants or other animals. Let us find out about the eating habits of different animals.

## PLANT-EATING ANIMALS

Many animals eat only plants. Such animals are called **herbivores**.

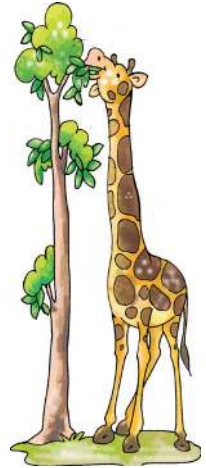
Herbivores such as cow, goat, deer, giraffe and elephant eat grass, leaves and plants.



▲ A cow eats grass and leaves.



▲ An elephant eats bananas and sugarcane.



▲ A giraffe eats leaves.

Name two more animals that eat only plants. ....

## FLESH-EATING ANIMALS

Have you seen a lizard trying to catch insects? A lizard does not eat plants. It feeds on insects. Many animals eat other animals. They are called flesh-eating animals or **carnivores**. Tiger, wolf and crocodile are carnivores.



▲ lizard



▲ tiger



▲ wolf



▲ crocodile

Name two more carnivores. ....

Some animals, like crow and bear, eat both plants and other animals. They are called **omnivores**. Human beings also eat food from both from plants and animals. We get food like fruits, *dals* and vegetables are obtained from plants. We get food like milk, meat and eggs from animals.



▲ crow



▲ bear



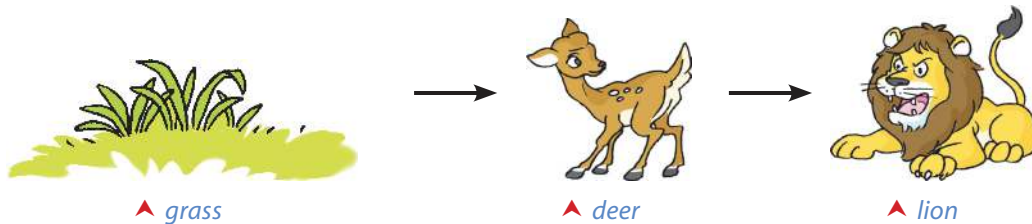
▲ human being

## FOOD CHAIN

A **food chain** shows how living things depend on each other for food.

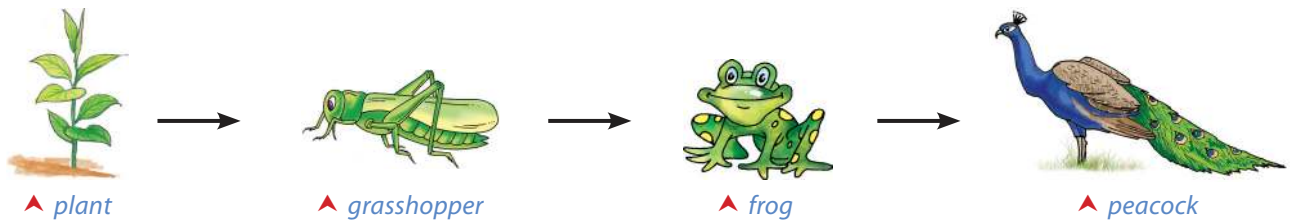
Carefully observe the two simple food chains given here.

Example 1:



In the food chain shown above, the deer eats grass. The lion eats the deer.

Example 2:



In the food chain given above, the grasshopper eats the plant. The frog eats the grasshopper. The peacock eats the frog.

## HOW ANIMALS EAT

Different animals eat different types of food. Each animal has mouth parts that are suited to the kind of food it eats.

### Teeth

Herbivores, such as horses, cows and sheep, have strong teeth. They have sharp front teeth to bite the grass and leaves. Their flat back teeth help them to chew food.



▲ horse's front teeth



▲ a cow chewing the cud

Cows and buffaloes swallow food without chewing it. Afterwards, they bring the food back from the stomach to the mouth to chew it properly. This is called **chewing the cud** or **masticating**.

Flesh-eating animals, such as lions, tigers and wolves, tear the flesh of their prey and chew it. So they have sharp and pointed teeth at the front of the jaw. These are special tearing teeth. Their back teeth are flat. These help them to chew the flesh.



▲ pointed teeth of a wolf

Some animals, such as snakes, do not have tearing or chewing teeth. Snakes and lizards can open their mouths very wide and swallow their food whole without chewing it. Some snakes, such as the python, can swallow animals as big as a deer.



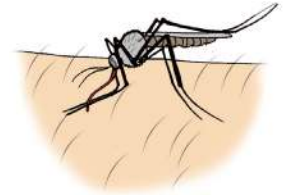
▲ a snake swallowing the rabbit



▲ a frog catching an insect

Lizards and frogs catch insects with their long, sticky tongue.

A mosquito has a long and pointed tube in its mouth. It can suck blood of animals with this tube. A butterfly too has a long tube which it uses to suck nectar from the flowers.



▲ an insect sucking blood from human body

Animals such as squirrels, rats and rabbits, have very sharp front teeth. They are able to break open seeds, fruits and nuts with these teeth. These animals **gnaw** the food.

Have you seen dogs and cats drink milk with their tongue? This method of drinking in liquids is called **lapping**.



▲ pointed teeth of a squirrel



▲ a cat lapping up milk



## Info Bits

In human beings, an adult has 32 teeth. But you have only 28 teeth!



### 1. Name the following:

- animals that eat both plants and animals .....
- the way in which dogs drink milk .....
- two animals that have long and pointed tube in their mouth  
.....

## DOMESTIC ANIMALS

Animals like cows, sheep, horses and chickens are useful to us and live with us. They are called **domestic** animals. Horses, donkeys and elephants carry heavy loads for us. Hens give us eggs. Goats, cows and buffaloes give us milk. So, we should feed our domestic animals properly. They should be given energy-rich food. We should also give them proper shelter and care.



▲ horses are kept in a stable



▲ sheep are kept in a barn

**herbivores:** animals that eat only plants

**carnivores:** flesh-eating animals

**omnivores:** animals that eat both plants and other animals

**cud:** food brought back from the stomach by animals, such as cows, to chew again

**gnaw:** to cut, bite and wear away something bit by bit with the teeth

**lapping:** the way in which dogs and cats drink liquids



- Animals have special teeth and mouth parts depending upon the type of food they eat.
- Some animals chew the cud, some tear and chew the flesh while some others swallow without chewing.
- Domestic animals are useful to us and live with us. We should give them proper shelter and care.



## REVIEW ZONE

### A Tick (✓) the correct answer.

- Which of the following is not an omnivore?  
a. human being      b. crow      c. giraffe      d. bear
- Which of following animals does not have tearing or chewing teeth?  
a. cow      b. snake      c. lion      d. rabbit
- Which of following is a domestic animal?  
a. horse      b. wolf      c. crocodile      d. snake

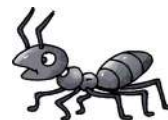
### B Choose the most suitable word from the following to fill in the blanks.

herbivorous      nectar      omnivorous      sticky      blood      carnivorous

- Frogs catch insects with their long, ..... tongue.
- A butterfly uses its long tube in its mouth to suck .....
- Elephant and cow are examples of ..... animals.
- Wolf and tiger are examples of ..... animals.
- Bear and crow are examples of ..... animals.

### C State whether the following statements are TRUE or FALSE.

- A giraffe is a herbivore. ....
- Carnivores feed on plants. ....
- A python is a type of snake. ....
- Frogs have sharp front teeth. ....
- In lapping, the teeth are used. ....



### D Circle the odd one out.

1.



2.



3.



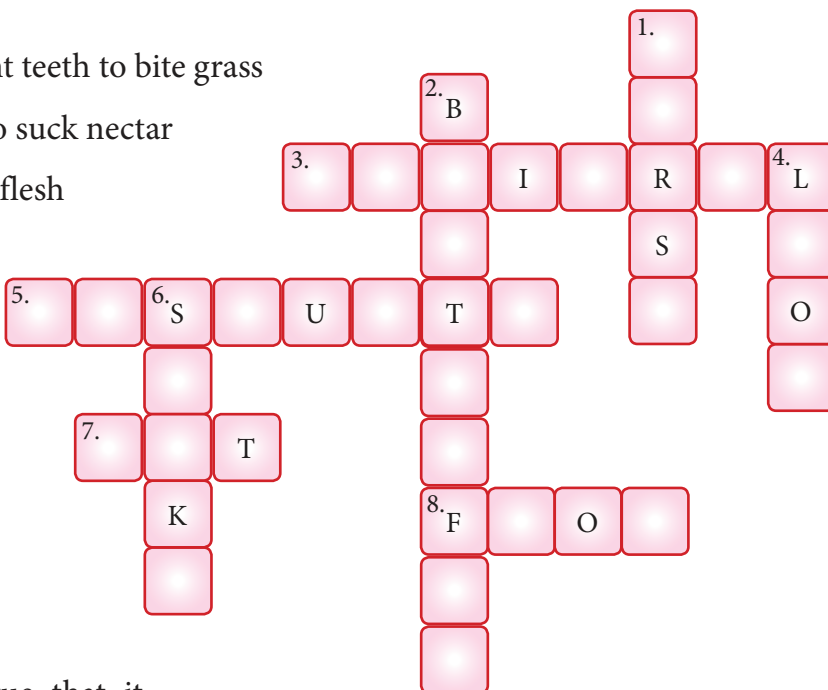
**E** Complete the crossword with the help of clues given.

**Down**

1. has sharp and broad front teeth to bite grass
2. has a tube in its mouth to suck nectar
4. has pointed teeth to tear flesh
6. can swallow an entire animal

**Across**

3. has sharp front teeth to gnaw nuts and seeds
5. sucks blood with a sharp hollow tube in its mouth
7. laps up milk
8. has a long, sticky tongue that it shoots out to catch insects



**F** Answer the following questions.

1. What is lapping?
2. What does chewing the cud mean? Name an animal which does this.
3. What is a food chain?
4. Which mouth part of a frog helps it to obtain food? How?
5. What kind of teeth do flesh-eating animals have?

6. Make a food chain with the animals shown here.

Number each picture to indicate the animal's position in the food chain.

a.



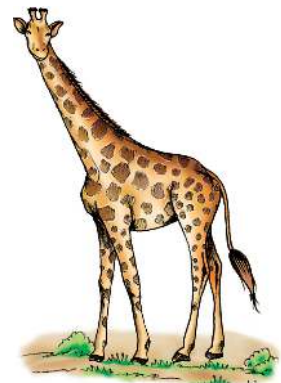
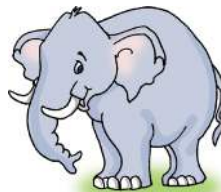
b.



## HOTS CORNER

1. Think and answer.

- Why does a giraffe have a long neck?
- Why does an elephant have a long trunk?
- Why does a beaver have sharp front teeth?



2. Can any food chain be complete without a plant? Why or why not?



## ENHANCE YOUR LIFE SKILLS

- We should give proper shelter to the domesticated animals. Find out what are the homes of the domesticated animals. *One has been done for you.*
  - hen .....coop.....
  - dog .....
  - pig .....
  - rabbit .....
  - cow .....
- Find out about the different types of teeth that you have. Do they all perform the same function? How are they different from each other?



## ONLY A CLICK AWAY

- To see a video that shows the different feeding habits of different animals, you can visit the link:  
[www.teachersdomain.org/asset/tdc02\\_vid\\_eat/](http://www.teachersdomain.org/asset/tdc02_vid_eat/)
- Food chains connect all organisms. To play games, a quiz or read more about food chains, you can go to the following link. [www.bbc.co.uk](http://www.bbc.co.uk)



## ACTIVITY BAG

- Collect pictures of any six animals. Now form a food chain by arranging them in the correct order. The animal that is being eaten should be placed in front of the animal that eats it. Remember, all food chains begin with a plant!

### Teacher's Notes

- Teacher can explain the students how the different mouth parts found in animals help to eat food.
- Teacher can bring pictures of animals and their food, and help students to make simple food chains.
- Answers to Question Drill: 1. a. omnivores; b. lapping; c. butterfly and mosquito.