

• **Read the chapter three-times and find the toughest words.**

2 Animals and Plants



You have already read about how living things are different from non-living things. Plants, animals and human beings show all the features of living things. Despite the similarities that plants and animals show, they also have many differences between them.

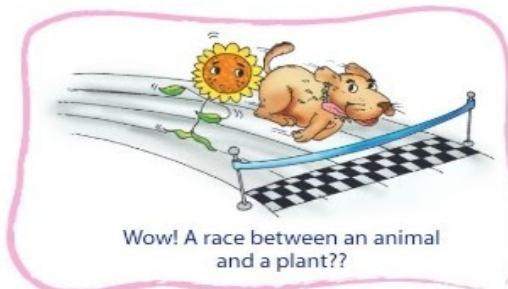


Bingo's Activity Time

Observe any one animal and a plant. Write five differences between them besides appearance.

Movement

You all know that animals can move from one place to another. They show a variety in their movements. For example, they can walk, glide, swim, fly and run. They move here and there in search of food, water and shelter. This ability is called **locomotion**.



Plants do not show locomotion. They remain fixed to the ground because they do not have to search for food or water. They prepare their own food and absorb water from the soil. Only some parts of plants show movement.



Nutrition

Animals cannot make their own food. They depend directly or indirectly on plants for food. For example, goats, deer, rabbits, etc. eat plants, and tigers, lions, wolves, etc. eat these animals. Plants have the ability to prepare their own food with the help of air, water and sunlight.



animals eat plants



plants make food

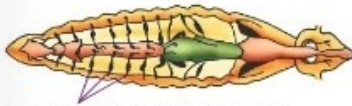


Bingo's Knowledge Bank

Some non-green plants like mushrooms cannot prepare their food. They obtain it from dead and decaying (rotting) substances.

Breathing

Animals like tigers, whales, monkeys, etc. breathe through their lungs. Fish breathe through their gills, frogs breathe through their lungs and skin, and insects like butterflies, cockroaches have tiny holes on their bodies which help them to breathe. Plants breathe through small openings called stomata present on the surface of their leaves.



small openings in insects



gills in fish



lungs



stomata

Breathing Organs

Reproduction

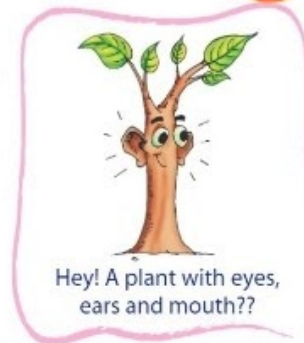
Animals either give birth to their young ones or lay eggs from which the young ones hatch out. Most plants produce seeds. When sown, these seeds give rise to new plants. There are some plants which grow from a part of the plant like stem or roots. For example, rose plants grow from the stem and sweet potatoes grow from the roots.

Sense Organs

Animals have sense organs—skin, ears, eyes, nose and tongue. They use these sense organs to feel and respond to changes in their surroundings. Plants also respond to their surroundings but they do not have sense organs.



Bingo's Activity Time



Observe a plant and an animal and complete the following table.

	Plant	Animal
1. Movement	Remains fixed to the ground	Shows locomotion
2. Food		
3. Feelings and emotions		
4. Body parts		

Other organs

Most animals have organs like heart, brain, etc. Plants do not have any such organs.

Relationship between Plants and Animals

We already know that animals depend on plants for food and oxygen.

Plants also depend on animals. They prepare food with the help of a gas called carbon dioxide which is given out by animals while breathing. Plants cannot make food without this gas. Plants also depend on animals for spreading their seeds and for manure.

Carbon dioxide is harmful to breathe for animals. Plants take in carbon dioxide and give out a gas called oxygen. This gas is taken in by animals while breathing. Without oxygen, animals will die. Hence, plants and animals depend upon each other for exchange of gases.



Quick Recall

Answer in yes or no.

1. Plants remain fixed to the ground because they do not have to search for food or water.
2. Sweet potatoes grow from stem.
3. Without oxygen, animals will die.
4. Animals show a variety in their movement.



Recall with Bingo

1. Plants and animals show many differences between them.
2. Animals show locomotion while plants remain fixed to the ground.
3. Plants can make their own food while animals cannot.
4. Animals give birth to their young ones or lay eggs from which the young ones hatch out. Plants produce seeds from which new plants grow.
5. Animals have sense organs which plants lack.
6. Plants and animals depend on each other.

Exercise Time

A. Answer the following questions.

1. What is locomotion?
2. How do plants get their food?
3. How do insects breathe?
4. How do animals reproduce?
5. What are the things for which plants depend on animals?

B. Fill in the blanks.

1. Plants have the ability to prepare their own food with the help of _____, _____ and sunlight.

****Link of Optimum Online E-Learning Platform:- www.optimumschool.net/online
In case of any query call at +91-9818033213**



**OPTIMUM
INTERNATIONAL SCHOOL**