

FEATURES OF ANIMALS AND PLANTS AND THEIR DIFFERENCES

Hi Friends

It is always a pleasure for me to meet with my good friends again. Thank you for being loyal to our regular news. It really means a lot to me that you care, love and respect our environment and that it is appreciated. This time we are going to learn about an interesting topic: the features of plants and animals and what makes them different, even though they are all living things.

Animals are living things that need clean air (oxygen), clean water, healthy food and shelter in order to live. Most animals can move from one place to another. There are many types of animals of different sizes and shapes that live on Earth. We humans are animals. Some features of animals include eyes, legs, arms or wings, head and body. Animals can use their different senses (example: smell, sound, sight, vibration, taste and many more) when looking for food, safety, family and favourable conditions such as cold or warm places. Some animals live in the water while others live on land.



A Tortoise is an animal
Credit: Kruger National Park



A jellyfish is an animal
Credit: Mom Junction

Animals are further divided into two groups: animals without a backbone, known as **invertebrates** (such as butterflies) and animals with a backbone, known as **vertebrates** (such as a dog). Vertebrate animals have their bones inside their body covered by flesh, while invertebrates have their bones on the outside of their body. Another difference between animals is that some are active at night (such as owls) and they are referred to as being **nocturnal**. Animals that are active during the day are called **diurnal**.

Plants are living things that have the ability to produce their own food using sunlight, air (carbon dioxide) and water. The process whereby plants produce their own food is known as **photosynthesis**. During photosynthesis plants give off oxygen (which humans breathe in) and take in carbon dioxide (which humans breathe out). The main reason plants are classified as living is because they can breathe like animals and have cells in their body. They are not able to move like animals but some can go to other places by using water, wind or other animals as a means of transport. The visible parts of a plant are: leaves, stems, roots, flowers, fruits and seeds (part of a plant's life cycle). Plants can be seen almost everywhere covering the ground on Earth.

Check out this video:

<https://www.youtube.com/watch?v=a7ZnK7ZKLkA>

DIFFERENCES BETWEEN LAND AND WATER ANIMALS

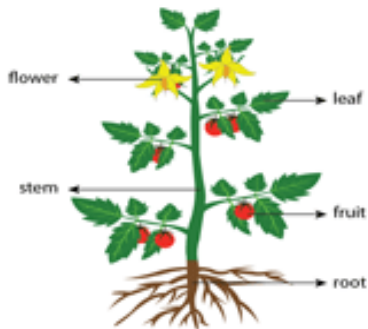
FEATURES	WATER ANIMALS (AQUATIC)	LAND ANIMALS (TERRESTRIAL)
Skin	Thin, soft and slippery	Hard and hairy
Breathing	<ul style="list-style-type: none"> Use gills, lungs or skin. Some take in oxygen from the air and others take in dissolved oxygen from the water. 	<ul style="list-style-type: none"> Through the nostrils or mouth and into the lungs. Direct oxygen from the air.
Feet	Webbed feet or fins	Legs with feet and toes
Adaptations	Sensitive to direct sun	Adapted to direct sun
Movement	Swim	Walk, crawl, fly etc.



Credit: Africa Freak



Parts of a Plant



Credit: Math Worksheet 4 Kids



Credit: Gardening Vibe

DIFFERENCES BETWEEN LAND AND WATER PLANTS

FEATURES	LAND PLANTS	WATER PLANTS
Leaf	Thick waxy cuticle to conserve water	No thick waxy cuticle
Stomatal position (stomata are very tiny pores helping plants to breathe)	Lower side of the leaf	Upper side of the leaf
Roots	Strong and are underground	Weak and underwater
Stem texture (feel)	Dry and hard	Wet, slimy and soft

All plants and animals living either on land or in water need water to survive. Let us all respect water and respect life.



Love Manzi



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References: Neuroscience for kids

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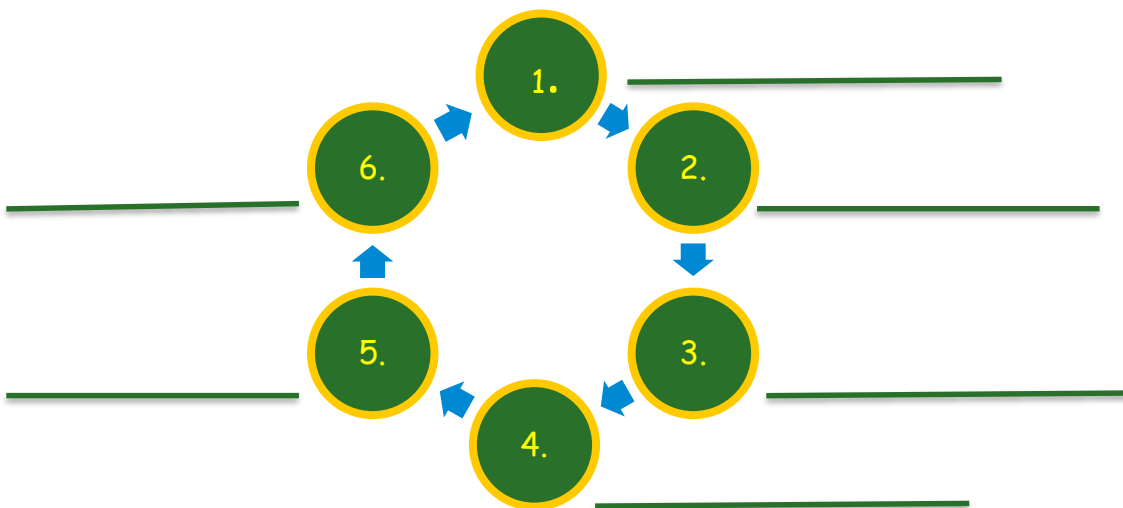
“FEATURES OF ANIMALS AND PLANTS” QUIZ

ANSWER ALL THE QUESTIONS

(You can also take this quiz online: <https://forms.gle/wWKDheKW6pdMgrCs9>)

- Which sentence is TRUE?
 - Plants can move from one place to another.
 - Plants make their own food.
 - Plants breathe using lungs.
- What is the name of the gas that plants give off that is used by animals?
 - Carbon Dioxide
 - Nitrogen
 - Oxygen
- Which gas do animals give off that is used by plants during photosynthesis?
 - Carbon Dioxide
 - Nitrogen
 - Oxygen
- Complete the plant life stages using the names provided below.

Seed, Flower, Germination, Fruit, Adult Plant, Seedling



- Animals with a backbone are known as invertebrates and animals without a backbone are known as vertebrates. TRUE or FALSE (Circle the correct answer)

Answers

- b
- c
- a
- 1 = Adult Plant
2 = Flower
3 = Fruit
4 = Seed
5 = Germination
6 = Seedling

5. False. The correct sentence is: Animals with a backbone are known as vertebrates and animals without a backbone are known as invertebrates.



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YOUR FEEDBACK

It would be most appreciated if you could please give feedback on this education material by clicking on the following link:

<https://forms.gle/ePtXdPBUjTz4Um5H7>

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