



# Science

## Animals Including Humans



# Basic Needs





# Aim

I can describe the basic needs of humans and animals.

I can ask and answer questions about a pet.

# Success Criteria

- I can say the three things that humans need to stay alive.
- I can say how an animal gets air, food and water.
- I can ask some questions about a pet that I have chosen.
- I can find out the answer to a question.



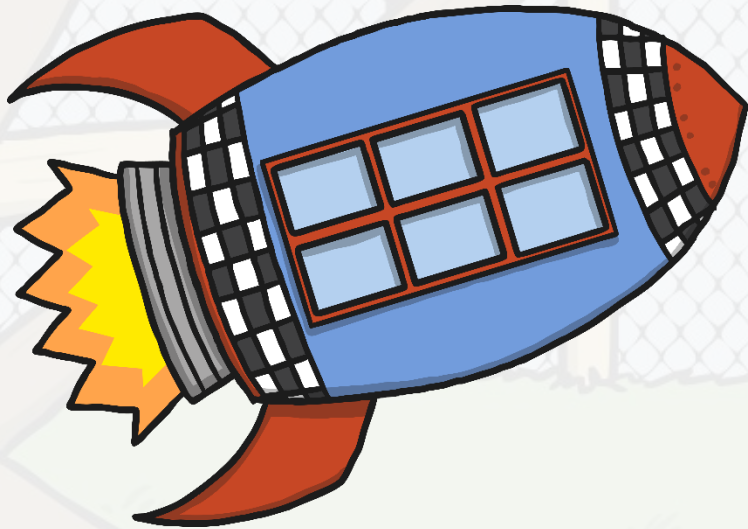
# Basic Needs



Imagine that you have been chosen to lead a mission into space.

You are going to be all alone for two weeks, while you rocket towards the Moon.  
What do you need to take with you to keep yourself happy and healthy?

Think of three things that you would like to take.



1...

2...

3...



# Basic Needs



What did you decide to take with you?

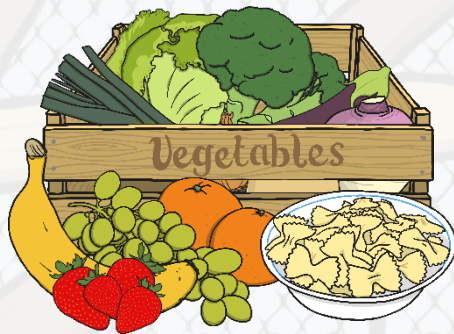
Do you need these things to keep you alive?





# Basic Needs

There are many things that humans like to have to make their lives more enjoyable or more comfortable. But there are only a few things that we really need. Do you know what they are?



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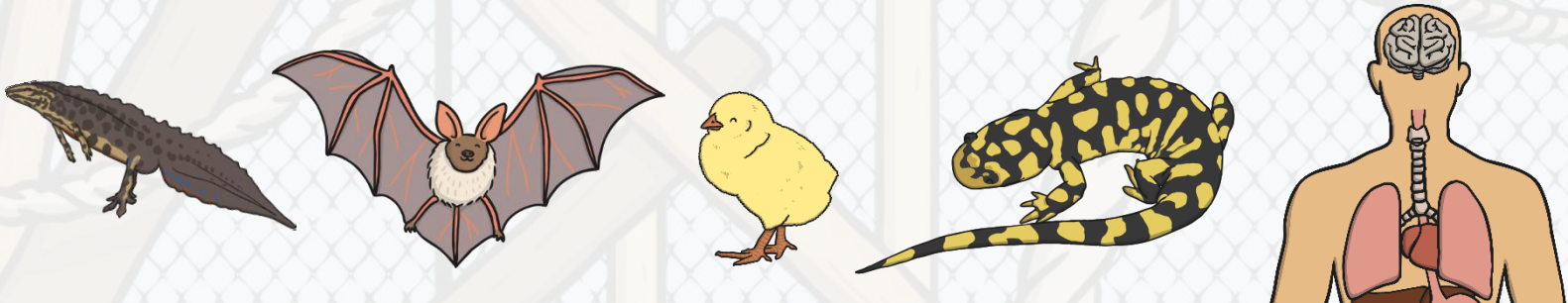
?



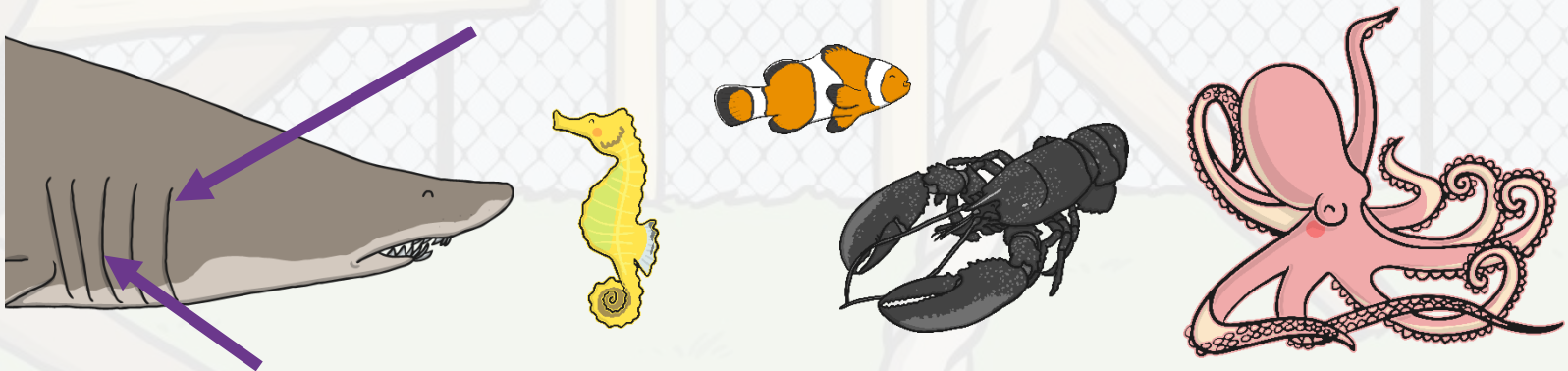
# Basic Needs

## Air

Mammals, reptiles and birds breathe air through their nose or mouth into their lungs.



Fish and other sea creatures breathe under water through special organs called gills.

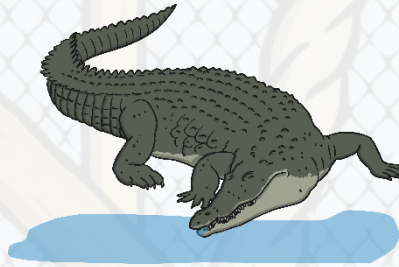




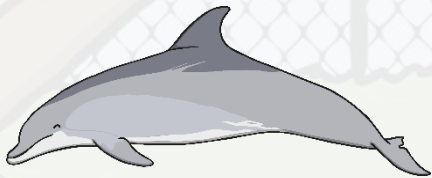
# Basic Needs

## Water

Creatures that live on the land get water by drinking, and from the food that they eat.



Animals that live in water take in water by drinking, through their skin and from their food.





# Basic Needs

## Food

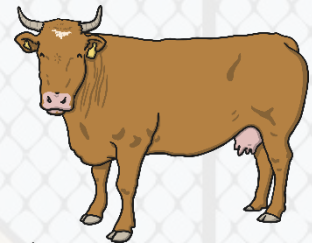
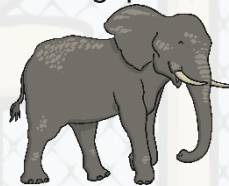
All animals need to eat food to stay alive.



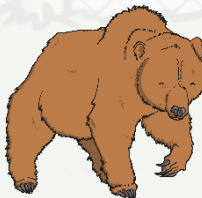
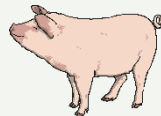
Some animals eat only other animals. These animals are carnivores.



Some animals eat only plants. These animals are herbivores.



Some animals eat animals and plants. These animals are omnivores.

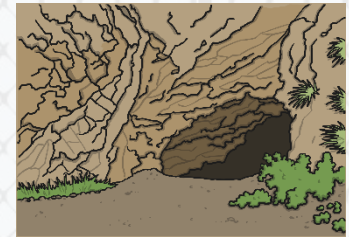
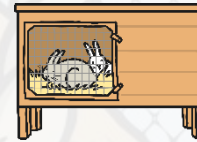




# Basic Needs

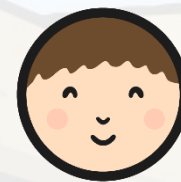
For humans and most animals, shelter is very important too.

This keeps us safe from predators, gives us a place to rest and have young, and protects us from the getting wet, too hot or too cold.





# Basic Needs Activity Sheet



## Basic Needs

Cut out the labels at the bottom and stick them into the right categories on the page.

mammals, reptiles and birds

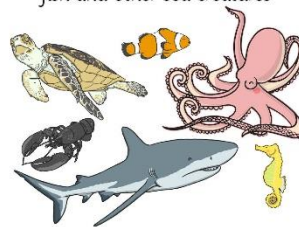


Food

Air

Water

fish and other sea creatures



Food

Air

Water



Science | Year 2 | Animals Including Humans | Basic Needs | Lesson 3

Eats meat, plants or both.



Gets water by drinking or from food.



Breathes water through gills.



Gets water by drinking, from food or through skin.



Eats meat, plants or both.



Breathes air into lungs.





# Caring for Animals

Animals in nature have a habitat. This habitat provides them with everything they need.

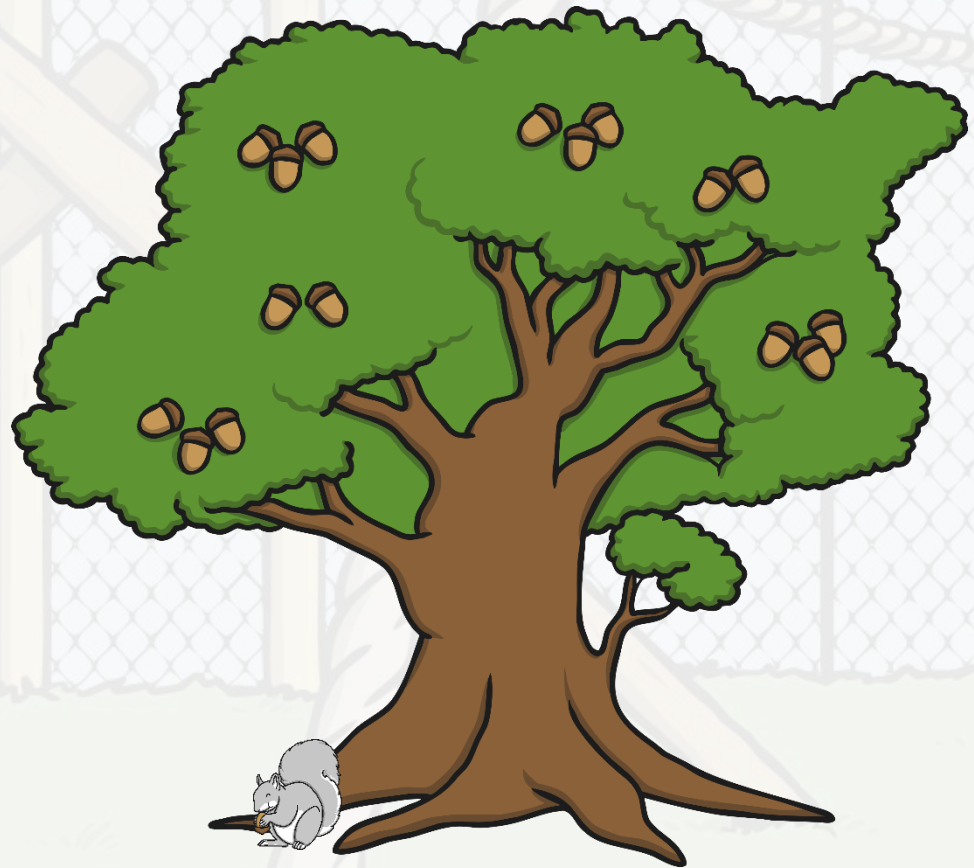
This squirrel lives in a hole in an oak tree.

The oak tree gives it shelter.

The squirrel eats the acorns from the oak tree.

It drinks water from ponds and puddles.

The squirrel takes care of itself because the habitat provides everything that it needs.





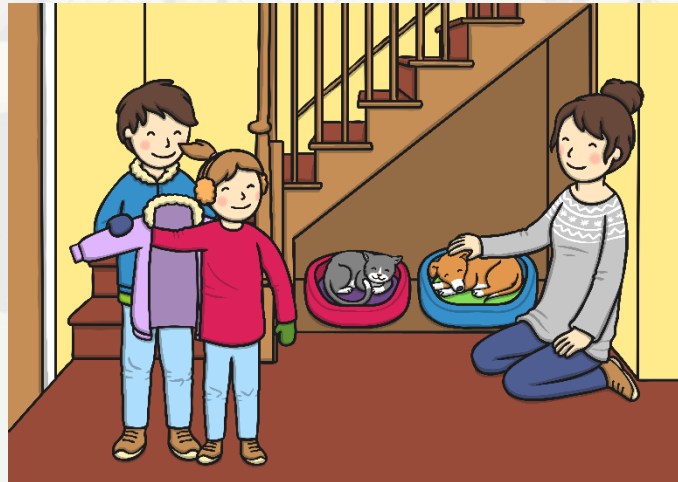
# Caring for Animals

When animals are cared for by humans, they are no longer in their natural habitat.

We are responsible for looking after the animals in our care, as they cannot look after themselves.

When animals are cared for by humans, they are no longer in their natural habitat.

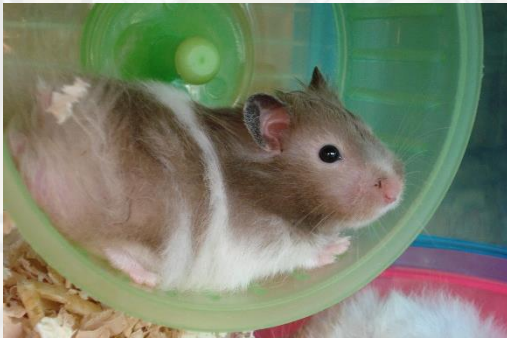
We also need to care for them in other ways, to keep them happy and healthy.





# Caring for Animals

We keep animals as pets.



We keep animals in zoos.



We keep animals on farms.



All of these animals need to be cared for in different ways, to make sure they have a healthy, happy life.

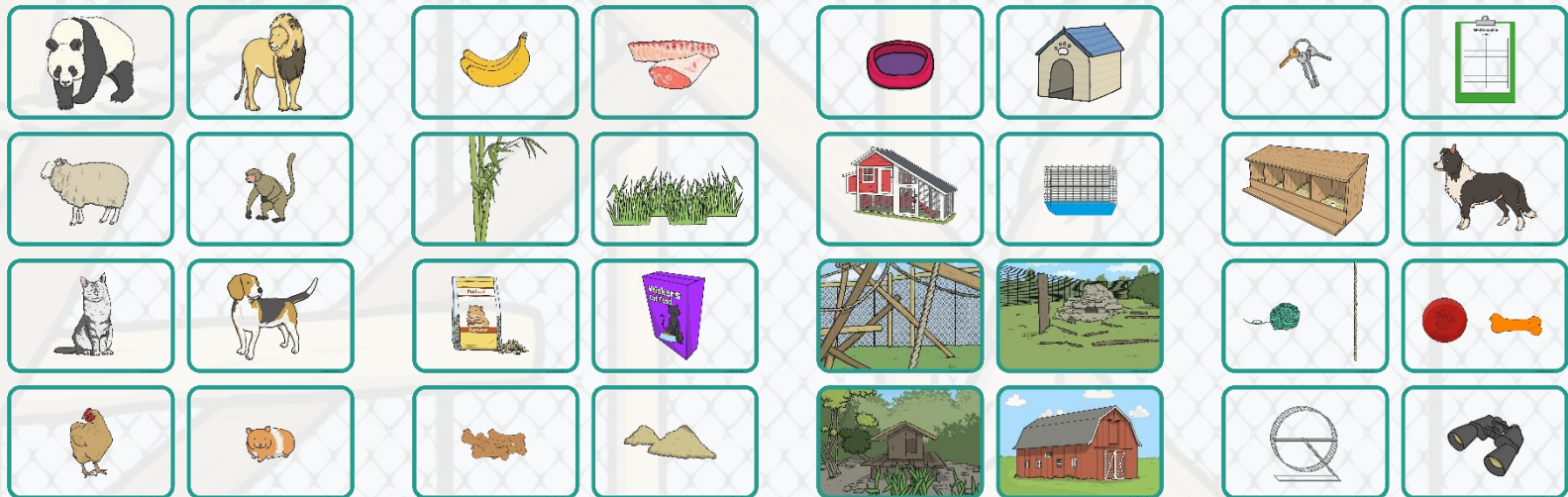
Photo courtesy of Barbara Müller-Walter, Haundreis, MarilynJane, RobBixbyPhotography, Scrap Pile, (@flickr.com) - granted under creative commons licence – attribution



# Caring for Animals



Complete the activity by matching the cards to show what care is needed for each group of animals.



Can you think of anything else these animals might need? What about other animals in our care? Discuss this in your groups.



# Pet Fact File



Working in pairs, you are going to choose a pet and find out all about it. Think of some interesting questions that you would like to ask about your pet.

Use these question words to give you some ideas:

Who?

Where?

How?

What?

When?

Why?



When you have thought of some interesting questions, choose your favourite one.



# Pet Fact File



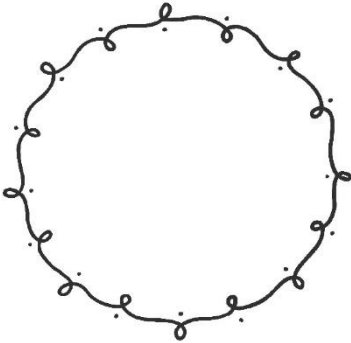
Use books, leaflets and the Internet to find out about your chosen pet.

Find out what the animal looks like, what it likes to eat, where it lives and how to care for it.

Write a fact file to teach people all about your pet.

Don't forget to write down your interesting question and find out the answer!

## Pet Fact File



About my pet:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

How to care for my pet:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

An interesting question about my pet:

\_\_\_\_\_

\_\_\_\_\_

Answer:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



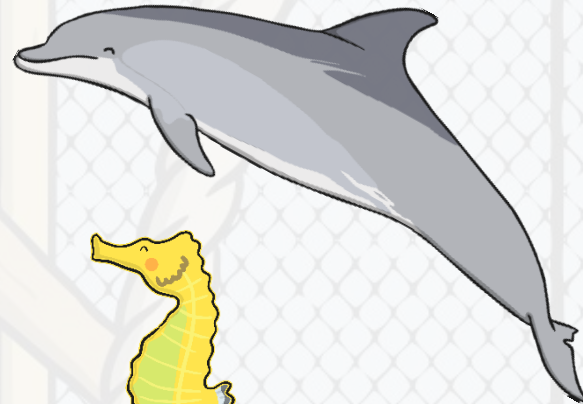
# True or False?



Creatures that live under water don't need to breathe.



False



True



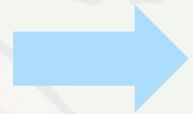
# True or False?



Correct!

The statement is false. Fish and most other sea creatures, breathe under water through special organs called gills.

Well done!



Next question

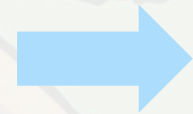


# True or False?



Bad Luck!

The statement is false. Fish and most other sea creatures, breathe underwater through special organs called gills.



Next question



# True or False?



Water is the best drink for humans and other animals.



False



True



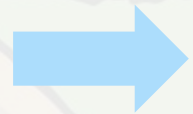


# True or False?



Bad Luck!

The statement is true. Humans have lots of drinks to choose from, but nothing is as good for our bodies, or animal bodies, as fresh, clean water.



Next question



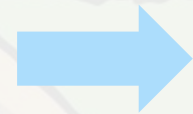
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Next question



# True or False?



Humans are herbivores, they eat only plants.



False

True



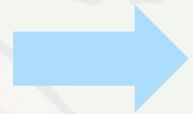
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Correct!

The statement is false. Humans eat animals and plants. They are omnivores.

Well done!



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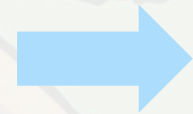


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Next question



# True or False?



Fish never drink.



False

True



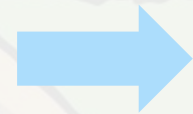
# True or False?



Correct!

The statement is false. Some fish drink water, some fish get water from their food, and some absorb water through their skin.

Well done!



Next question

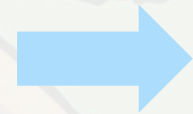


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Next question



# True or False?



Some creatures that live in the sea, breathe air.



False

True

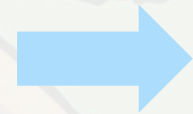


# True or False?



Bad Luck!

The statement is true. Marine mammals, like dolphins and whales, and marine reptiles, like sea turtles, need to come to the surface of the water to breathe air, like we do.



Next question



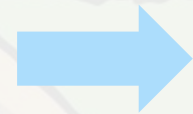
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Next question



# True or False?



Pets only need water, food and air to be happy and healthy.



False

True



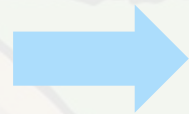
# True or False?



Correct!

The statement is false. A pet might survive on only water, food and air, but it could be very unhappy. Pets also need shelter and special care. Each pet has different needs.

Well done!



Aims

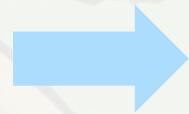


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Aims



# Aim



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I can ask and answer questions about a pet.

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- I can say how an animal gets air, food and water.
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Aim