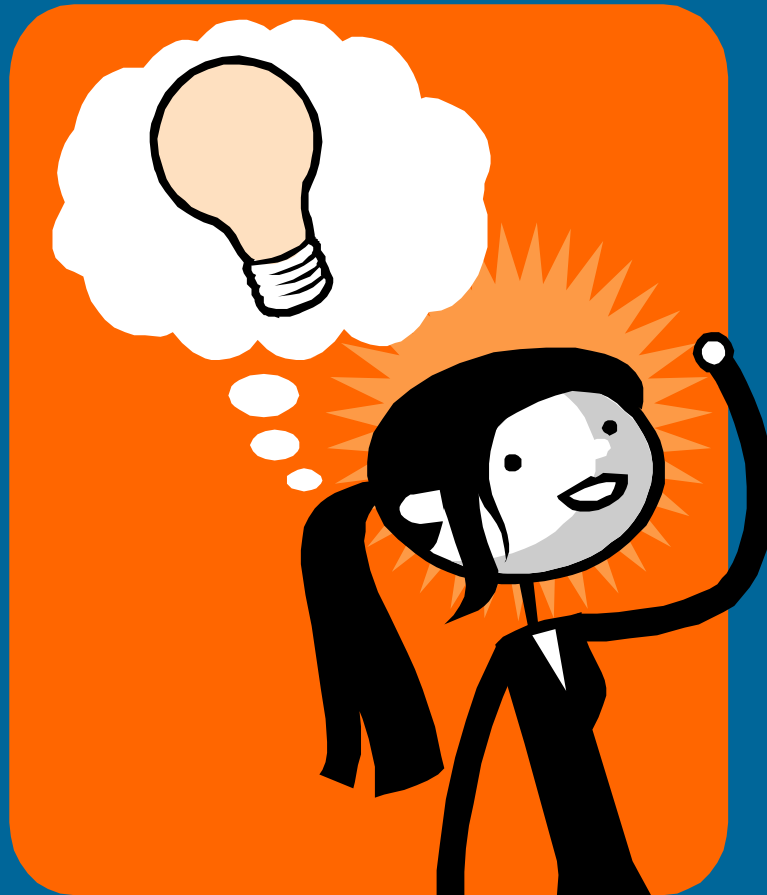


Let's think



Do they live together?



Ecosystems



1. Introductory unit
2. Interactions between living things
3. Types of ecosystems
4. Human influence in ecosystems: Let's save our planet!



Don't forget to write down all the words you don't know on our classroom word-poster!



Time to start your KWL chart



K (what do I know ?)	W (what do I want to know?)	L (what have I learned ?)
<i>I know...that there are lots of different animals</i>	<i>I want to know...how animals live in a desert</i>	

1. Introduction



*'We must take care of the **different environments** in which we live and the animals and plants who share it with us. To do this, we need to learn about where they live and what they eat.'*



Eggs in nest



Deer



Basset hound

Animals are everywhere.

What do animals need?

How are animals different?



Zebras



Horse
and foal

Animals are living things.

They can move.

They eat and grow.

They can have babies.

Giant
panda





Leopards

Animals need things to live.

They need a place to live.

They need food and water.

They need air.



Honey bees

Animals live in many places.

They live on or in land.

They live in water.



Prairie dogs



Dolphins

Where Animals Live

The place where an animal lives is called its **habitat**. Animals live in many different habitats. Some live on land. Some live where it is hot and dry. Some live where it is very cold. Many live on the ground and some live under the ground.

Camels



Emperor penguins



Prairie dogs



Fish



Giraffe

Polar bears



Hedgehog



Monkeys (fur)



Owl (feathers)

Animals have different
body coverings.

Some have fur.

Some have feathers.

Animals eat different things.

Some animals only eat plants.



Groundhog eating a flower



Caterpillar eating a plant

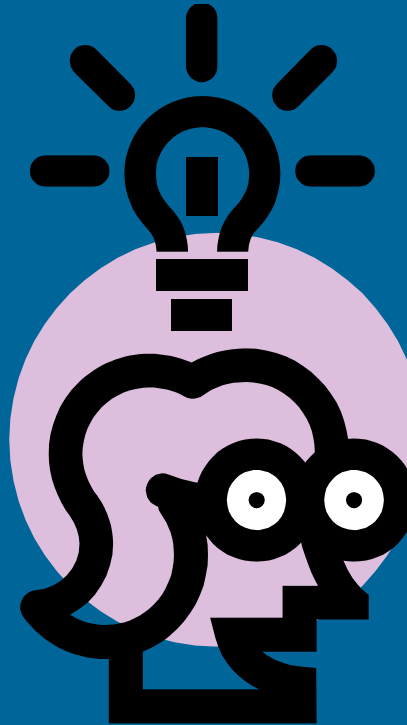


Lion

Some only eat other animals.
Some eat plants and animals.



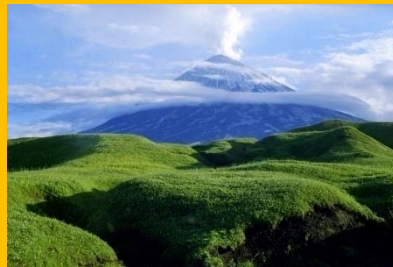
Human being



Interesting
huh?!

LET'S SEE...

- Plants need water and light to survive. Some plants, like beech trees, need a lot of water. They grow in wet places. Others like palm trees, only need a bit. They grow in **dry** places.



- It is the same for animals. For example, bears live in **cool, wet** places. In each place, we find plants and animals that need THE SAME things.

Ecosystem

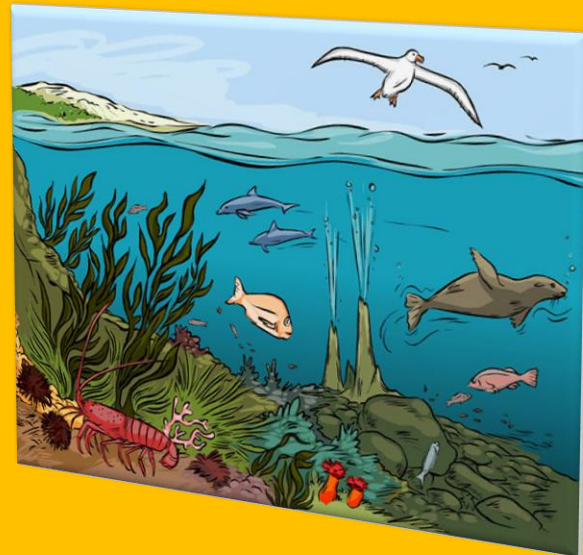
- **What is an ecosystem?**
- An ecosystem refers to all the animals and plants found in one place, and the way they all live together.
- Different plants and animals live in different ecosystems.

In an ecosystem there are:

LIVING THINGS

NON- LIVING THINGS

(hand out 1)



BIG AND SMALL ECOSYSTEMS

- THE SIZE of an ecosystem varies. Some are BIG (like the savannah). Others are small, like a pond.



savannah



pond

BIG ecosystems



- The savannah and the jungle are examples of very big ecosystems. Grasses, bushes and trees live there. There are also many different animals like zebras, gnu, monkeys and lions.
- See an example of a big ecosystem:

http://www.nwlg.org/pages/resources/living_things/page_2.html

small ecosystems



- Even a in a pond we can find many animals such as frogs, **dragonflies** and **snails**. There are also **water plants**.
- See an example of a pond:

http://www.nwlg.org/pages/resources/living_things/page_2.html

ANIMAL ADAPTATION

- How do you think animals adapt to their ecosystems?



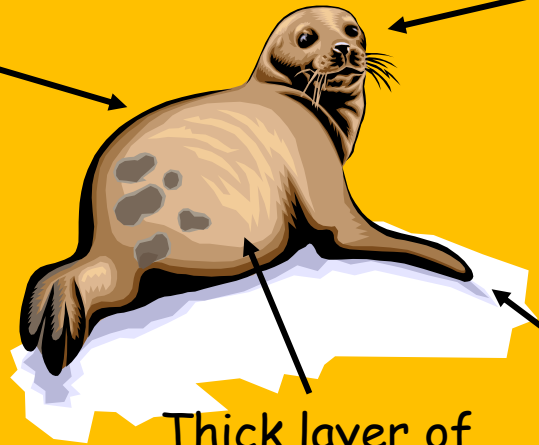
ANIMAL ADAPTATION

- All living things have to be suited to their environment if they are to survive.

- For example, a seal has:

Streamlined shape.

Forward-facing eyes for clear vision ahead.



Flippers to help it swim.

Thick layer of body fat to keep it warm.

ECO-TIP

- **Remember?** We said that 'Plants need water and light to survive. Some plants, like beech trees, need a lot of water. They grow in wet places.'

Try the quiz!



What would happen if the
planet would run out of water?

ARE YOU A WATER WASTER?

Ready for more?

