

Evolution

What do we mean by evolution?

Evolution – the changes that are made to an animal or plant over time.

What is an environment?

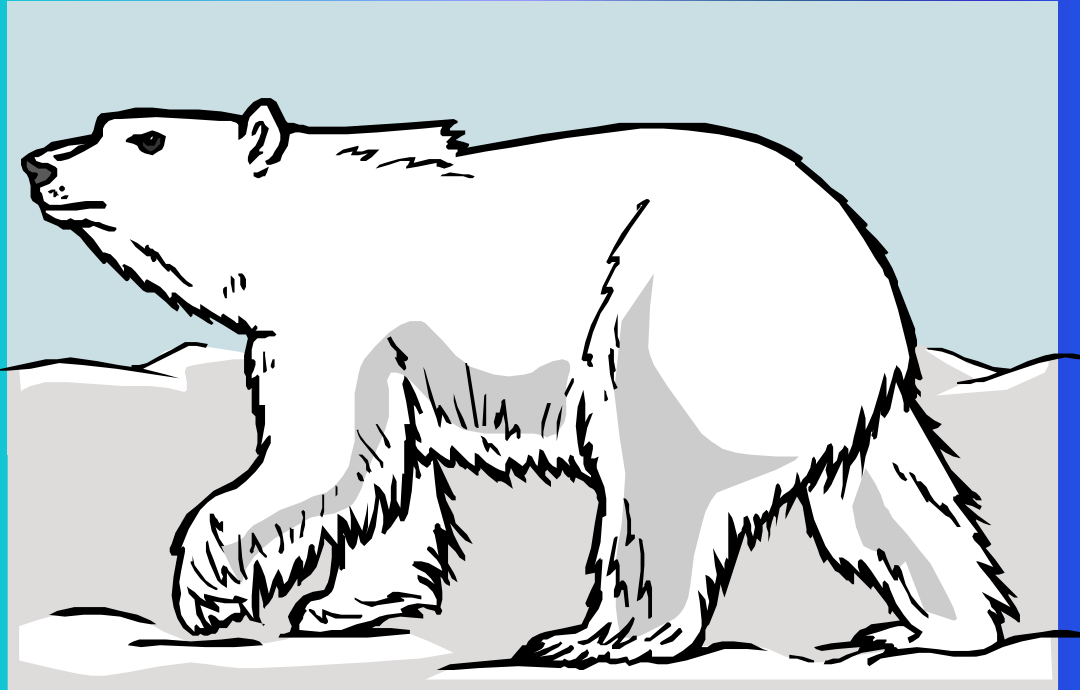
Surroundings, usually where someone or thing lives.

LI: To show how animals have evolved to suit their environment.

In our lessons in school we have learnt that animals have evolved to suit the environment that they live in.

Now, we are going to look at animals that we know and see what physical features they have that suit their environment.

Polar Bears



Question: How have they evolved to live in the cold environment?

Polar Bears



Thick warm, white fur coat
Keeps the bear warm in below
freezing temperatures and allows
him to camouflage in the snow.

Polar Bears



Thick warm, white fur coat
Keeps the bear warm in below
freezing temperatures and allows
him to camouflage in the snow.

Large Paws
Produce an oil that stops his feet freezing
on the snow.

Polar Bears



Little eyes
Keeps cold
and icy snow
blizzards
out of their
eyes.

Thick warm, white fur coat
Keeps the bear warm in below
freezing temperatures and allows
him to camouflage in the snow.

Large Paws
Produce an oil that stops his feet freezing
on the snow.

Activity 1

Now complete the worksheet lesson evolution worksheet one, labelling the different ways the Polar Bears have evolved to suit their environment.

Camels



Question.

How have they evolved to live in the desert environment?

Camels



Big, flat feet
Enable camels to walk on the sand
without sinking into it.

Camels



Humps
Camel can store a supply of water so it doesn't have to stop to drink

Big, flat feet
Enable camels to walk on the sand without sinking into it.

Camels

Long eyelashes
Keeps sand from storms
and glaring sun from
camels eyes.



Humps
Camel can store a
supply of water
so it doesn't have
to stop to drink

Big, flat feet
Enable camels to walk on the sand
without sinking into it.

Camels

Long eyelashes
Keeps sand from storms
and glaring sun from
camels eyes.

Humps
Camel can store a
supply of water
so it doesn't have
to stop to drink

Long Legs
Help to move across
the dessert quicker
and keeps the sand
off the camels
stomach.

Big, flat feet
Enable camels to walk on the sand
without sinking into it.



Activity 2

Now complete the worksheet lesson evolution worksheet two, labelling the different ways the Camels have evolved to suit their environment.

Activity 3- Your task.

You have an animal on your sheet you need to show the features it has that suits it to its environment – Just like you have already done.

Toolkit

- Identify the physical feature.**
- Write how the feature helps it to survive.**

Activity 4

LI: to design a creature which has evolved to suit its environment.

What physical features could your animal have that suits its environment?

Task

You have a sheet labelled lesson evolution worksheet four. Your task is to use your knowledge of evolution and how animals have features to suit their environment to design your own.

Toolkit

- **decide on an environment**

Give your animal a feature that

- **helps it to catch it's food.**
- **helps it to move.**
- **protects it.**