

# Evolution

What do we mean by evolution?

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

# What is an environment?

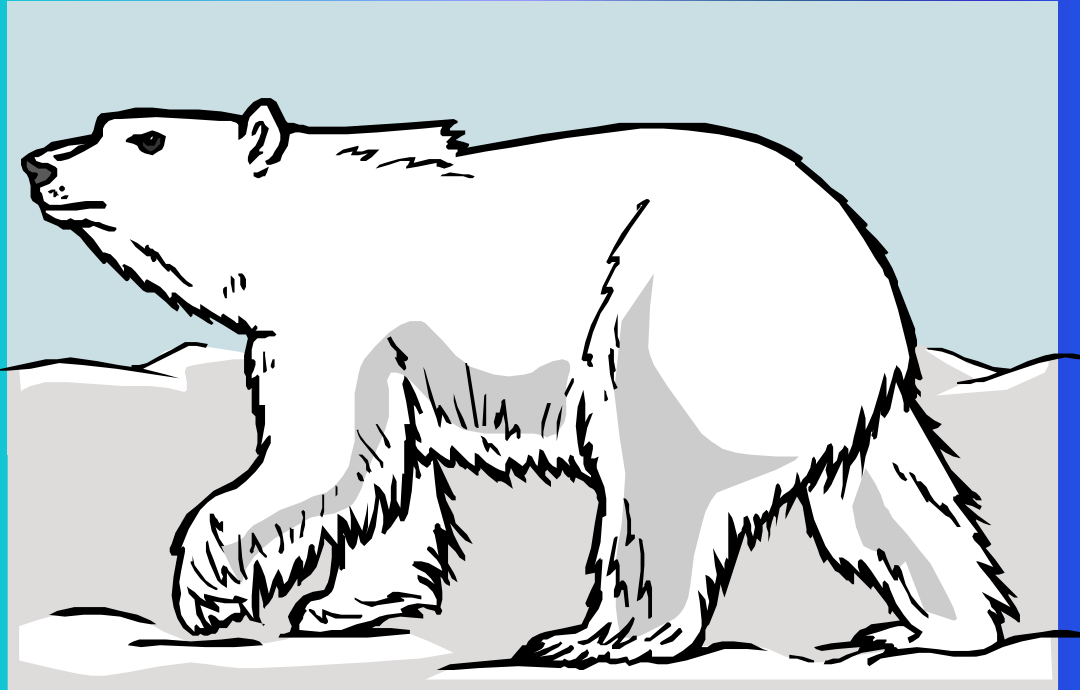
Surroundings, usually where someone or thing lives.

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.

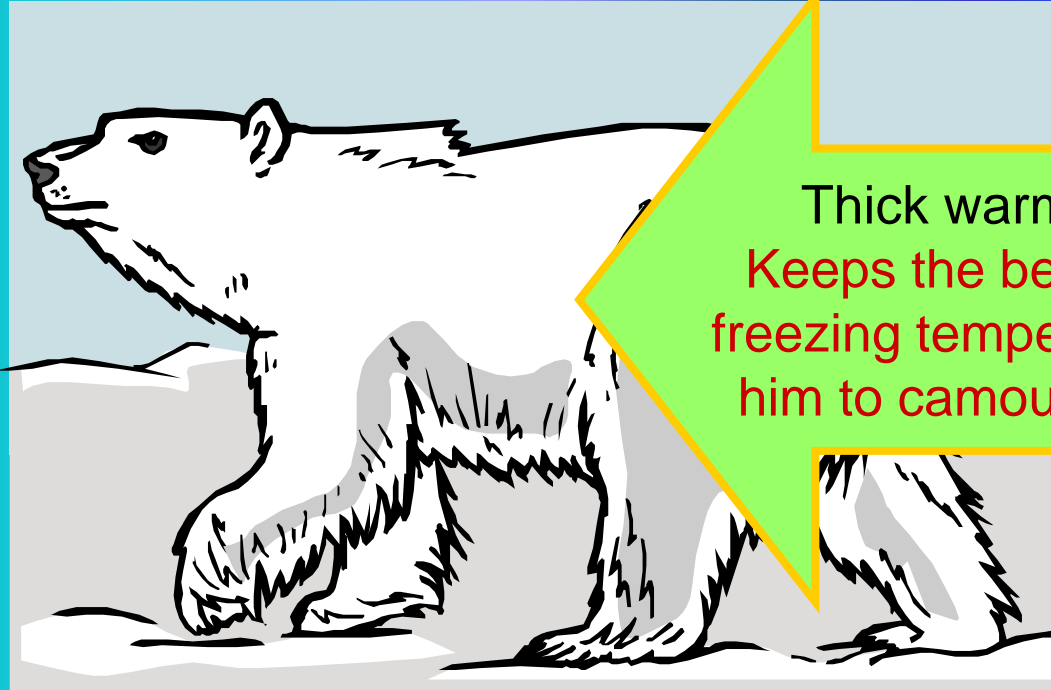
**Now,** we are going to look at animals that we know and see what physical features they have that suit their environment.

# 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.

19<sup>th</sup> November 2020

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.



19<sup>th</sup> November 2020

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

# 20<sup>th</sup> November - 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.**

**20<sup>th</sup> November 2020**

**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.**