

A cartoon-style illustration of a white polar bear standing in a snowy, icy environment. The bear is looking forward with a slight smile. In the background, there are blue ice floes and a dark blue sea. The overall style is simple and educational.

Polar bears

LO: To create a mind map sharing information

Starter: Lets read this fact file example.

Where Do Polar Bears Live?

Polar bears live in the North Pole. To us the North Pole would be too cold to live. It's about -29°F during winter in the North Pole.



How Do Polar Bears Adapt?

Adaptations are things that help an animal survive in its environment. Polar bears have a layer of fat under their skin which helps them stay warm. They also have a thick layer of fur. Their wide, large paws help them to walk in the snow. It's just like wearing a pair of snow shoes. Polar bears are also excellent swimmers!



What Do Polar Bears Eat?

Polar bears are **carnivores**. A **carnivore** is an animal that only eats meat. Polar bears mostly eat seals and walrus.

What Do Polar Bears Look Like?

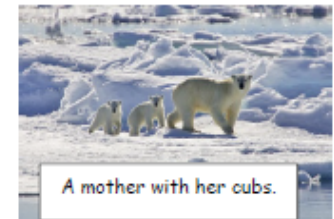
Polar bears can be 10 feet tall, that's the size of three first graders on top of each other. They have thick white fur and dark brown eyes.



A young male polar bear.

Polar Bears and Their Cubs

Mother polar bears almost always have twins. A mother polar bear has to create a den for her cubs to keep them warm



A mother with her cubs.

Gathering research

Next week, you will be writing your own fact file on polar bears.

You have learned a lot of information already but today you will gather some more!

Where Do Polar Bears Live?

Polar bears live in the North Pole. To us the North Pole would be too cold to live. It's about -29°F during winter in the North Pole.



How Do Polar Bears Adapt?

Adaptations are things that help an animal survive in its environment.

Polar bears have a layer of fat under their skin which



helps them stay warm. They also have a thick layer of fur. Their wide, large paws help them to walk in the snow. It's just like wearing a pair of snow shoes. Polar bears are also excellent swimmers!



What Do Polar Bears Eat?

Polar bears are **carnivores**. A **carnivore** is an animal that only eats meat. Polar bears mostly eat seals and walrus.

What Do Polar Bears Look Like?

Polar bears can be 10 feet tall, that's the size of three first graders on top of each other. They have thick white fur and dark brown eyes.



A young male polar bear.

Polar Bears and Their Cubs

Mother polar bears almost always have twins. A mother polar bear has to create a den for her cubs to keep them warm



A mother with her cubs.

Choose three topics to gather information on:
Think which about what information is important to write about.

For example:

- Where polar bears live
- What they look like
- What do they eat

- Now we are going to read through some more facts, you might have information already that you want to add. Remember as we are writing an information text **we must only include facts.**
- **To gather my information I will make some mind maps, each on a different page (you can magpie information from other information texts you have read.**
- Your mind maps will not have full sentences, just key ideas that you can use to write sentences when you come to writing up your information text.



More information.

On the next few slides, you will find more information about polar bears, you may find some of it useful and you might want to add it to your mind map.

REMEMBER if you are gathering information about where polar bears live only add facts that answer that question.

Some facts might not fit on any of your sheets. This is fine, you are only adding information that answers the three questions you are gathering information for!



Polar bears are found in the Arctic. This is in the northern hemisphere, in the top half of the world.

The temperature falls so low in winter that the sea freezes.



Polar bears will travel for miles on the sea ice to find food.

They use their excellent sense of smell to find seals hiding under the snow. They can smell an injured seal from over a mile away.



Polar bears are carnivores, which means that they eat meat.

As well as having an excellent sense of smell, they have very sharp teeth and powerful jaws.



They spend most of the year surrounded by snow and ice, and their fur lets them blend in. It also traps heat from their bodies to help keep them warm in freezing temperatures.



Did you know?

Did you know that polar bears don't actually have white fur? Their fur is actually see-through! The hairs reflect all of the light around them, which makes the fur look white.





As well as being great hunters, polar bears are also very good swimmers.

They are able to swim many miles out to sea to find the next block of ice.

Polar bears have a thick layer of fat, which keeps them warm in the icy water. They also have large feet that they use as paddles to help pull themselves through the water.





Much like camels walking over sand dunes in the desert, polar bears wide feet also allow them to walk across deep snow without sinking in too deeply.



Though polar bears spend most of their lives on the sea ice, they come back onto land to have their cubs. When the cubs are born, they stay in their den for five months. Even when they leave the den, they will stay with their mother for up to two years.

Polar bear cubs have to grow up very quickly. Though their mother looks after them and feeds them milk whilst they are growing, they have to learn to hunt and swim quickly.

Cubs will play-fight with each other to practise their hunting skills. They also have swimming lessons with their mother.





Polar bears are amazing animals. When they are fully grown, they can measure up to 3 metres long and can weigh up to 700 kilograms!



Polar bears are powerful and dangerous animals, but also beautiful. However, due to changes in the world, the sea ice they rely on is disappearing, making it much harder for them to hunt.

If this keeps happening, one day the only place to see a polar bear may be in a zoo. This would be very sad. Lots of people are working hard to try to save the polar bear...and you can help!

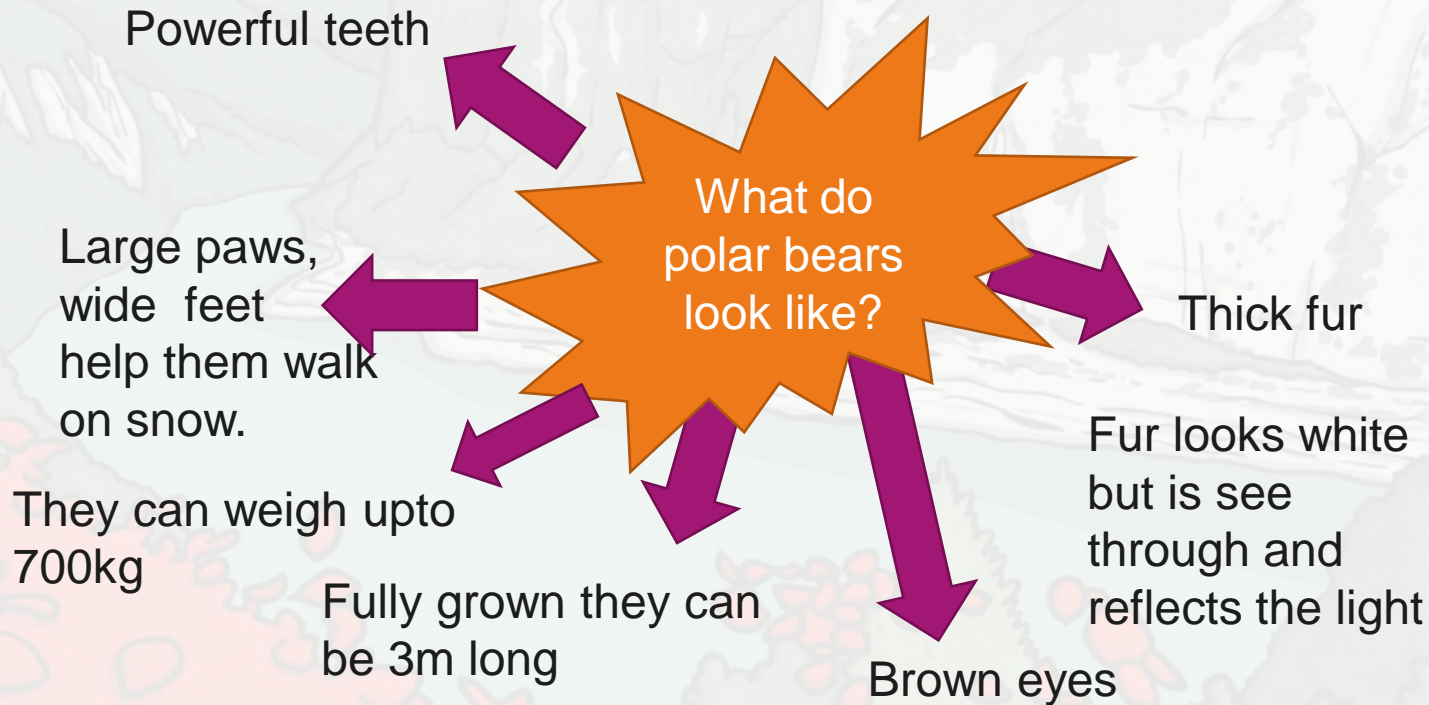
Let's hope these beautiful animals will still be living in the wild in years to come.



Mind maps



Mind maps



Mind maps

Polar bears are carnivores, which means that they eat meat.

they have very sharp teeth and powerful jaws.

Good hunters

excellent sense of smell and can smell seals hiding under the snow

Can smell injured seals from a mile away!

Walrus

Whale carcasses

Bearded seals

Ringed seals

What do they eat?