














Living Things and Their Habitats: World Habitats

<p>Aim: To identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, by researching habitats and the animals that live in them.</p> <p>I can describe a habitat and identify animals live in it.</p> <p>To ask simple questions and recognise that they can be answered in different ways by asking and answering questions about a range of different habitats.</p> <p>I can ask and answer questions about habitats.</p>	<p>Success Criteria: I can describe the conditions of a habitat. I can identify features of different animals. I can identify the needs of different plants and animals.</p> <p>I can ask questions about different habitats. I can use research to find answers to questions.</p>	<p>Resources: Lesson Pack Internet access Mini whiteboards and pens, class set Topic books on the following habitats: ocean, rainforest, Arctic and desert</p>
	<p>Key/New Words: Habitat, research, conditions, ocean, tropical rainforest, arctic, desert, adaptation.</p>	<p>Preparation: Differentiated Researching Habitats Activity Sheet -1 per child World Habitat Fact Sheets as required</p>

Prior Learning: It will be helpful if children can identify a variety of common animals.

Learning Sequence

	<p>World Habitats: Using the Lesson Presentation introduce children to the following habitats: the ocean, the Arctic, tropical rainforest and the desert. Divide children into four mixed ability groups and designate a habitat for each group to research.</p>	
	<p>Researching Habitats - Part 1: Briefly introduce the idea of research. Using topic books and the Internet, children research their given habitat and record their findings on the differentiated Researching Habitats Activity Sheet. (The BBC's KS1 Science Habitats topic section is a good starting place for this activity.)</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="220 1149 582 1227">  <p>Children draw their habitat, labelling plants and animals.</p> </div> <div data-bbox="619 1149 965 1283">  <p>Children draw and label their habitat, and write a sentence to describe the conditions there.</p> </div> <div data-bbox="1018 1149 1380 1283">  <p>Children draw and label their habitat, and write a few sentences to describe conditions there.</p> </div> </div>	
	<p>Researching Habitats - Part 2: Draw the children back into the mixed ability groups depending on the habitat they researched. If the groups are large, you may wish to split each one into two. Ask each group to generate questions to ask the other groups about the habitats they have researched, using the Lesson Presentation to give examples of suitable questions. Choose a scribe (or designate an adult) for each group to jot down the questions on a mini whiteboard.</p>	
	<p>Question and Answer: In turn, invite each group to the front of the class and support them in answering questions from the other groups about the habitat they have researched.</p>	
	<p>How Do I Survive? Using the Lesson Presentation, children consider an animal from each of the four habitats and suggest how it survives in its environment. Give children time to consider this in pairs before feeding back to the rest of the class.</p>	

Taskit

Researchit: Challenge children to find out more about a plant from each of the four habitats. What does it look like? How does it survive?

Sortit: Reinforce learning with the **World Habitats Sorting Activity**. In which habitat does each living thing belong?

Wordsearchit: Have fun and practice vocabulary with the **World Habitats Wordsearch Pack**.



Science

Living Things and Their Habitats



World Habitats



Aim

- I can describe a habitat and identify the animals that live in it.
- I can ask and answer questions about habitats.

Success Criteria

- I can describe the conditions of a habitat.
- I can identify features of different animals.
- I can identify the needs of different plants and animals.

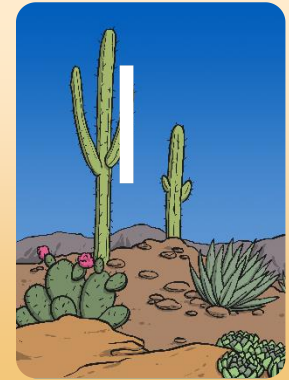
- I can ask questions about different habitats.
- I can use research to find answers to questions.

World Habitats

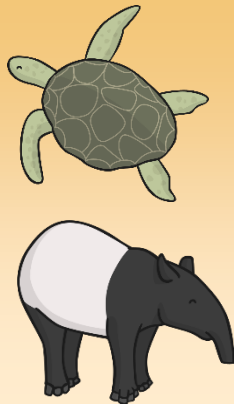
Do you remember how plants and animals rely on the environment around them to provide them with everything they need?



This means they have to live somewhere that has the right conditions to help them stay alive and well.



Because different places around the world have different conditions, the plants and animals that live there are different too.

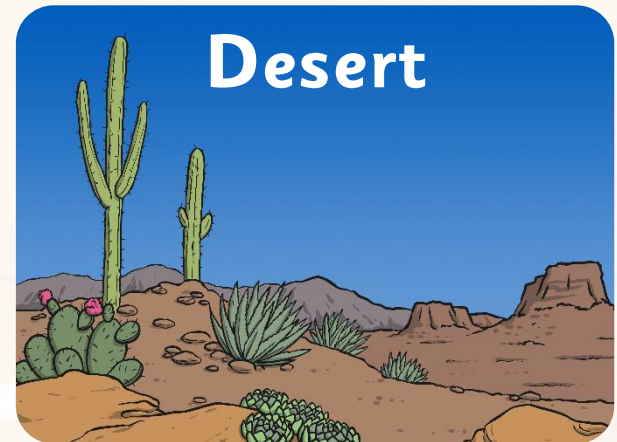
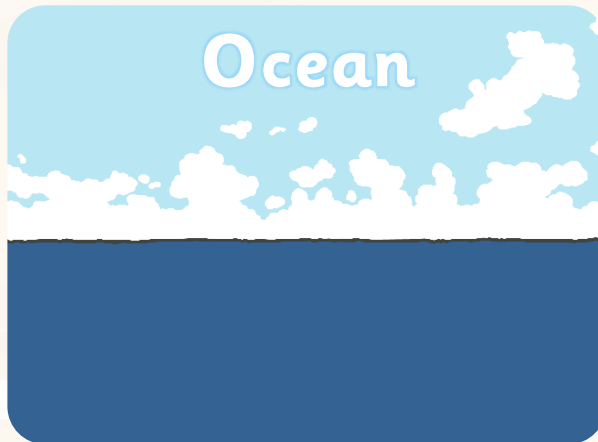
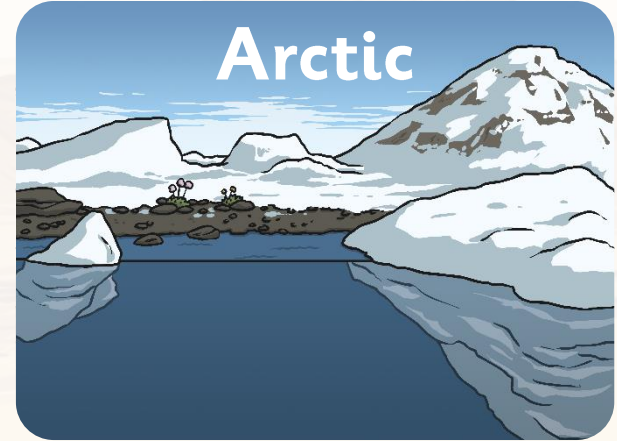


These different animals and plants all have special ways to survive in their special habitats.



World Habitats

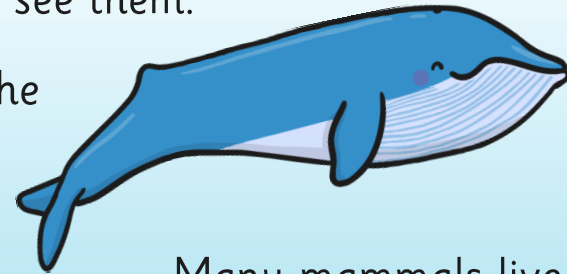
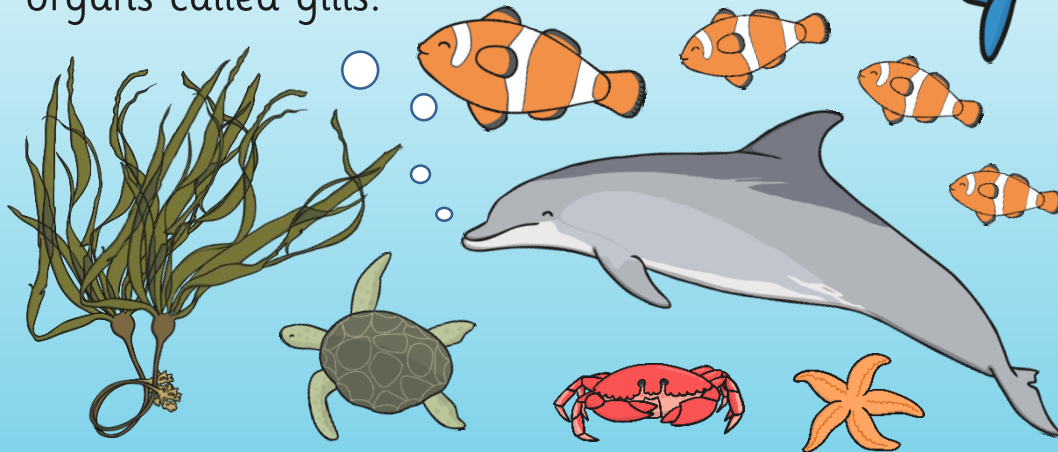
We are going to find out about some of the different habitats around the world, and some of the different plants and animals that live there.



Oceans

Many kinds of plants grow in the ocean, including seaweed, grasses, algae and even flowers. The oceans contain all kinds of creatures, from giant whales to plankton so tiny that you need a microscope to see them.

There are more than 21,000 species of fish in the ocean. Fish breathe underwater using special organs called gills.



Many mammals live in the sea, such as seals, whales, and dolphins. These creatures need to return to the surface to breathe air, like we do.

Some creatures crawl over the bottom of the ocean or burrow beneath it. They include lobsters, crabs, prawns and starfish.



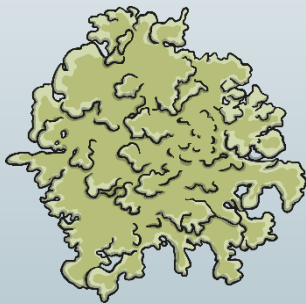
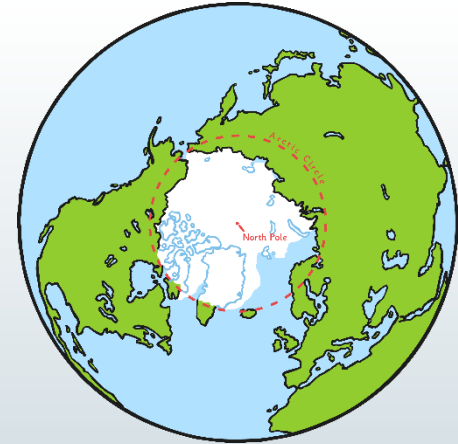
Animals of the Oceans



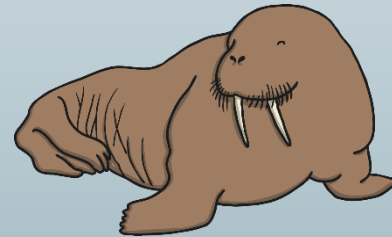
The Arctic

The Arctic Circle is located at the very top of the Earth. It is very cold in the Arctic all year round.

The only plants that can grow in the Arctic region are grass and mosses. Trees are unable to grow because the ground stays frozen all year round. In some places in the Arctic it is too cold for anything to grow at all.



There are many land mammals in the Arctic including ox, reindeer, arctic foxes, weasels, wolves, polar bears and brown bears.



Seals, walruses and whales live here and feed from the plankton and fish in the sea.

Animals of the Arctic



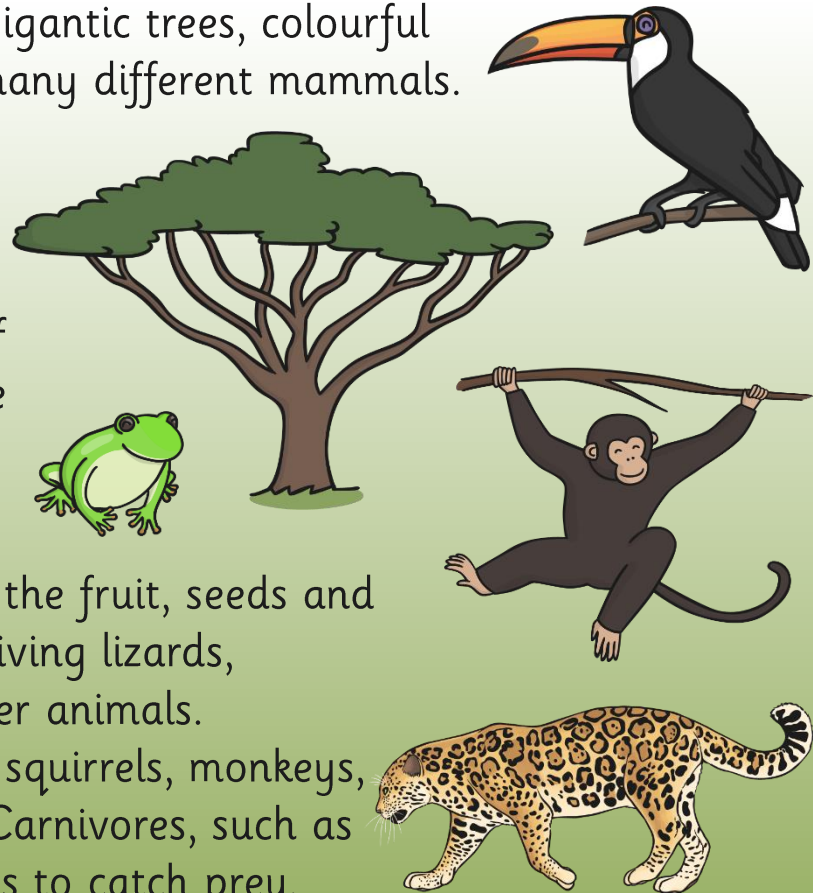
Tropical Rainforests

The tropical rainforests are home to gigantic trees, colourful birds, millions of bright insects, and many different mammals.

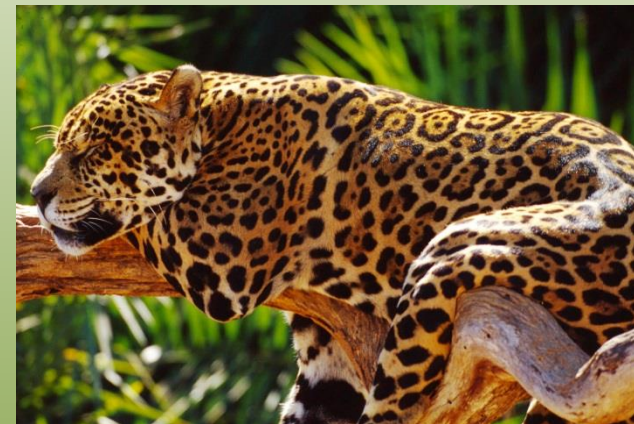
There are more trees in tropical rainforests than anywhere else in the world. These trees are home to lots of animals. Most of them live high in the branches where they can find food.

Insects, small birds and frogs feed on the fruit, seeds and leaves, or other small creatures. Tree-living lizards, chameleons and snakes feed on smaller animals.

Plant-eating mammals, such as flying squirrels, monkeys, and sloths, live in the forest canopy. Carnivores, such as jaguars and leopards, hunt in the trees to catch prey.



Animals of Tropical Rainforests



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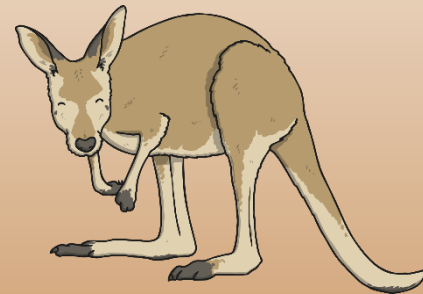
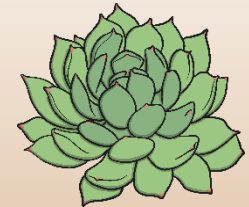
Deserts

Because there is such little water in the desert, not many living things can survive here. Animals and plants that live here are specially adapted to the harsh, dry conditions.

Many desert plants have leaves that collect and store water. Since water is so scarce, most desert animals get their water from eating these plants, or from the blood and body tissues of their prey.

Some animals, like kangaroos and lizards, live in burrows which do not get too hot or cold and have damp air inside. These animals stay in their burrows during the hot days, coming out at night to feed.

Camels can drink large amounts of water at one time and can survive as long as two weeks without drinking. They have large spread out feet that help them to walk on the soft sand.

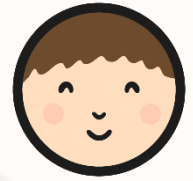


Animals the Desert



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Researching Habitats



You are going to do some **research** about habitats.

Researching means finding out more information about something you are interested in.

How can we find more information?

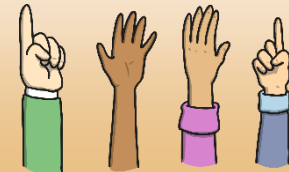
You can read about it in an information book.



You can find out about it by looking it up on the Internet.



You can ask questions of someone who knows more information about the topic.



Researching Habitats



You are going to choose one of the habitats and research it by looking in books and on the Internet.

1 Draw and label the plants and animals that live in your habitat.

2 Write a description of the what it is like to live there.

Researching Habitats

Draw your chosen habitat, and label the plants and animals that live there.

Write a sentence describing what it is like in this habitat.

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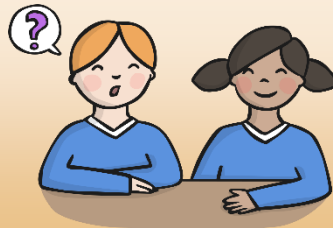
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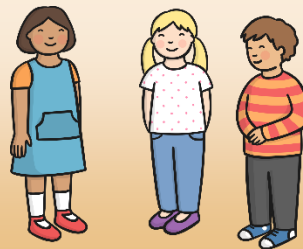
You have researched your chosen habitat and found out lots of information about it. Well done!



Now you are going to ask your friends about the habitat that they researched.



In your group, think of some questions you can ask to find out about the other habitats...



What are the conditions like in that habitat?

What is the weather like?

What plants and animals live there?

What do they eat?

Where do they live?

How do they survive?

Question and Answer



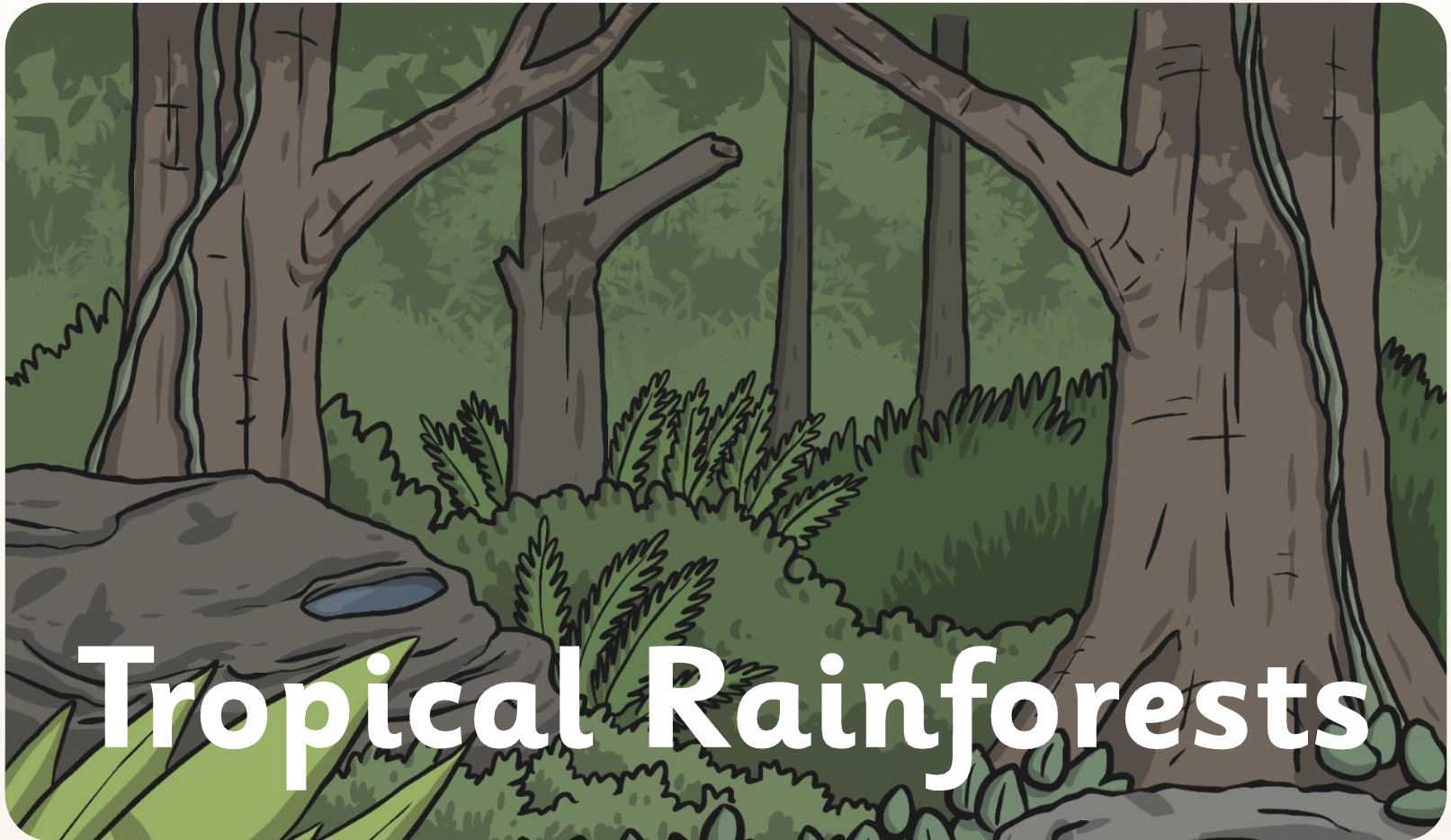
Oceans

Question and Answer



The Arctic

Question and Answer



Tropical Rainforests

Question and Answer

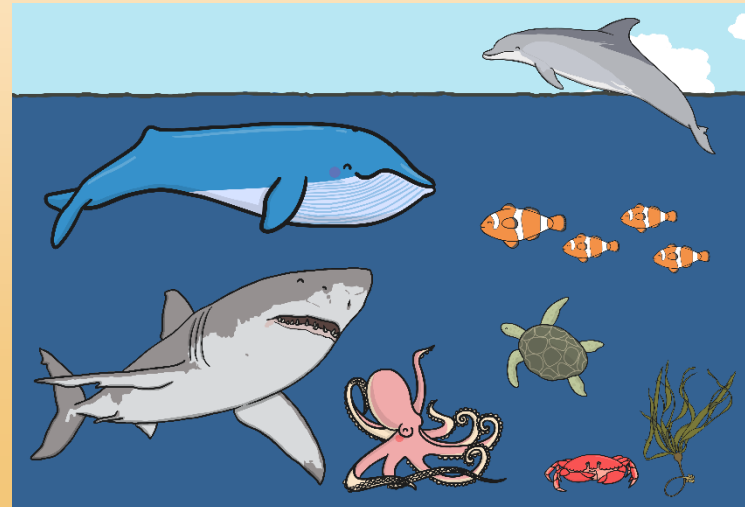


How Do I Survive?

Plants and animals live in habitats that suit them.

They have special features that help them to survive in their habitat.

This is why animals that live in cold places have thick fur, and why animals that live in or near water are good swimmers.



How Do I Survive?



Would a shark survive in the rainforest?

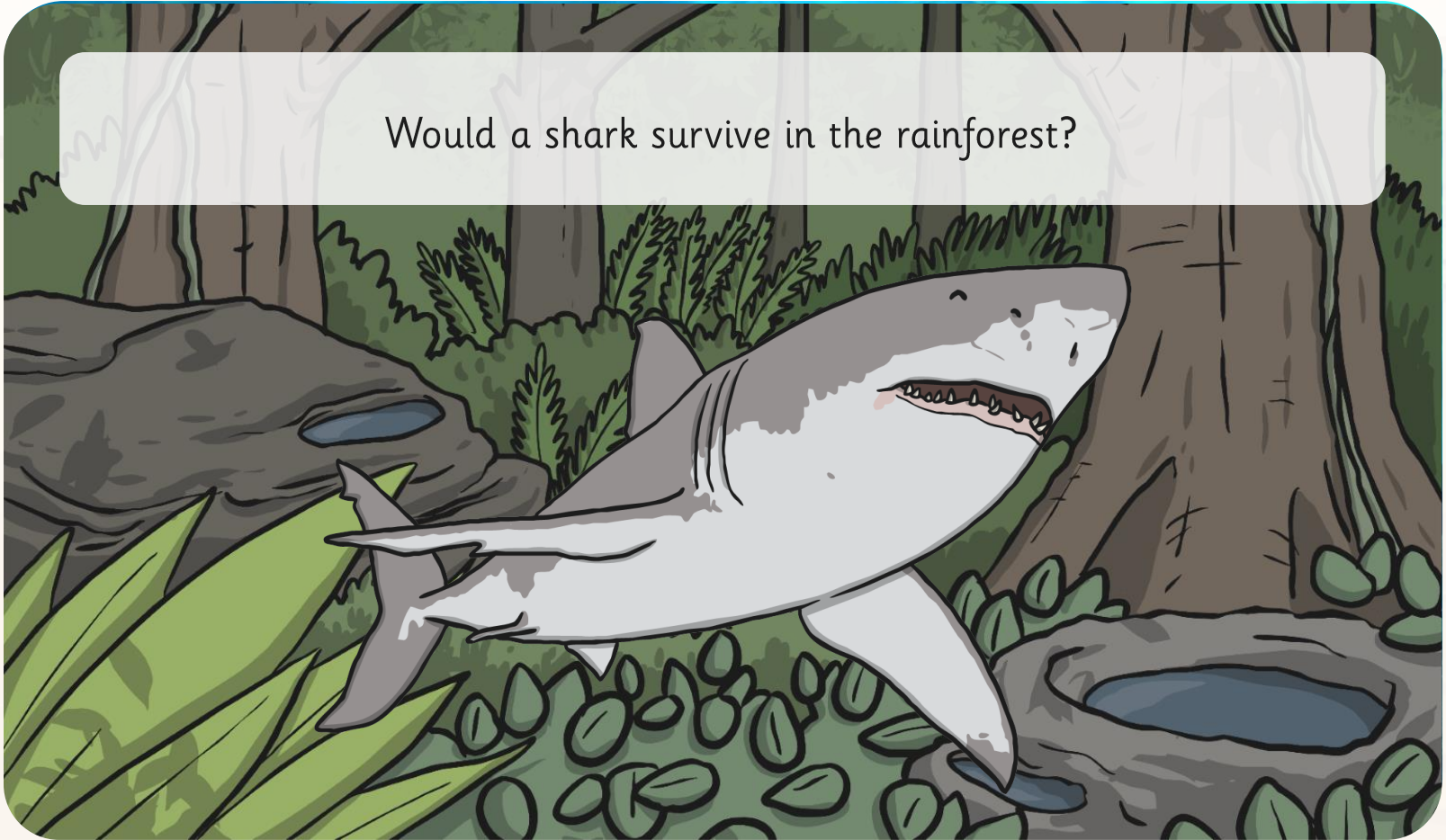


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How Do I Survive?



Would a polar bear survive in the desert?

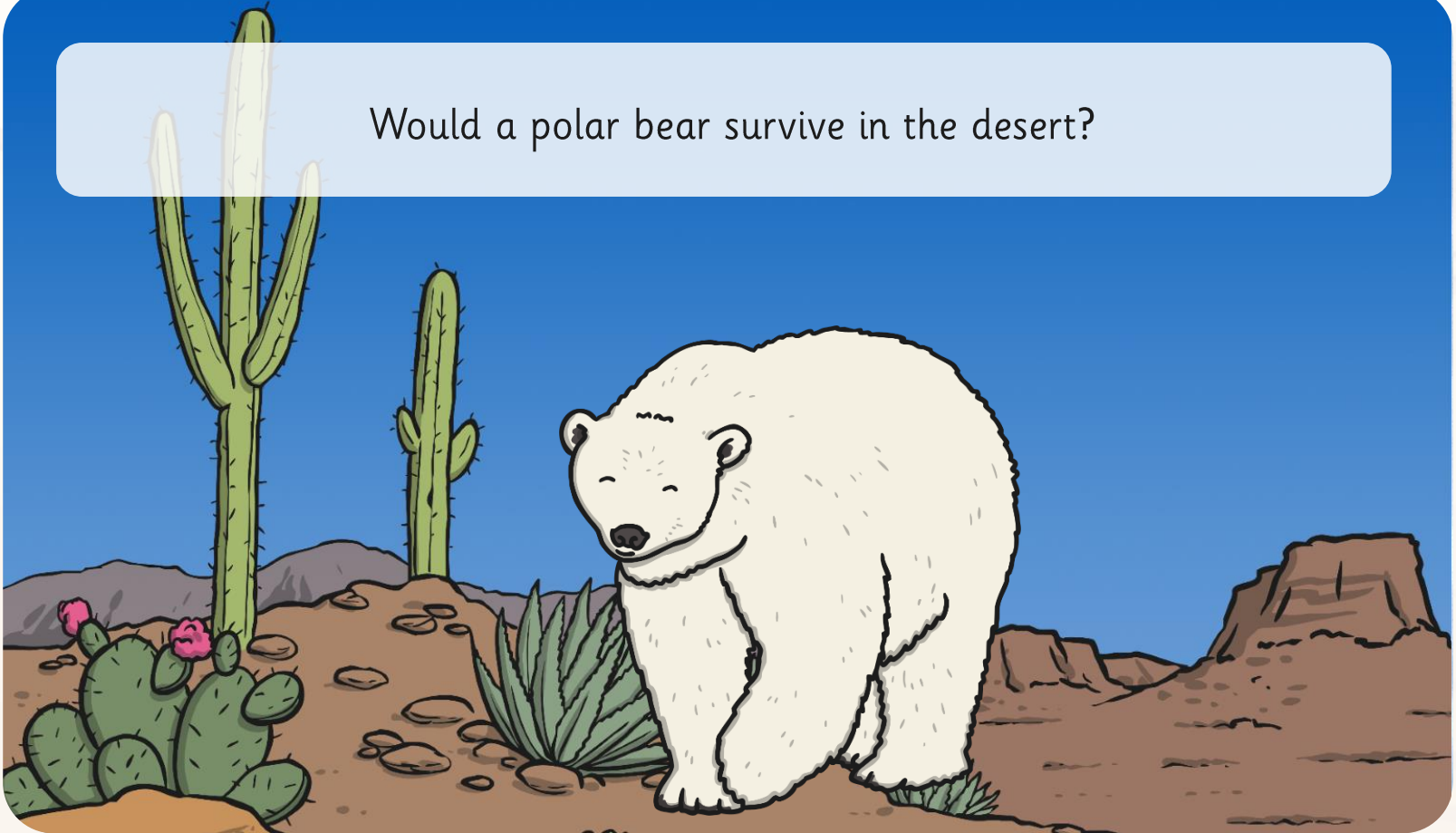
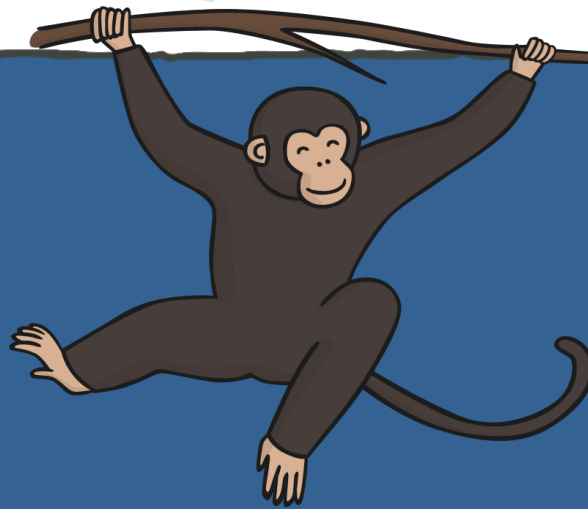


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How Do I Survive?



Would a spider monkey survive in the ocean?



How Do I Survive?



Would a camel survive in the arctic?



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