



Science

Seasonal Changes (Autumn and Winter)



Animals in Winter

twinkl

A stylized winter scene with snow-covered trees and a blue sky. The background is a light blue with white snowflakes. There are brown tree trunks and branches with white snow on them. A green branch is visible on the right side.

Aim

- I can explain how some animals adapt in winter.

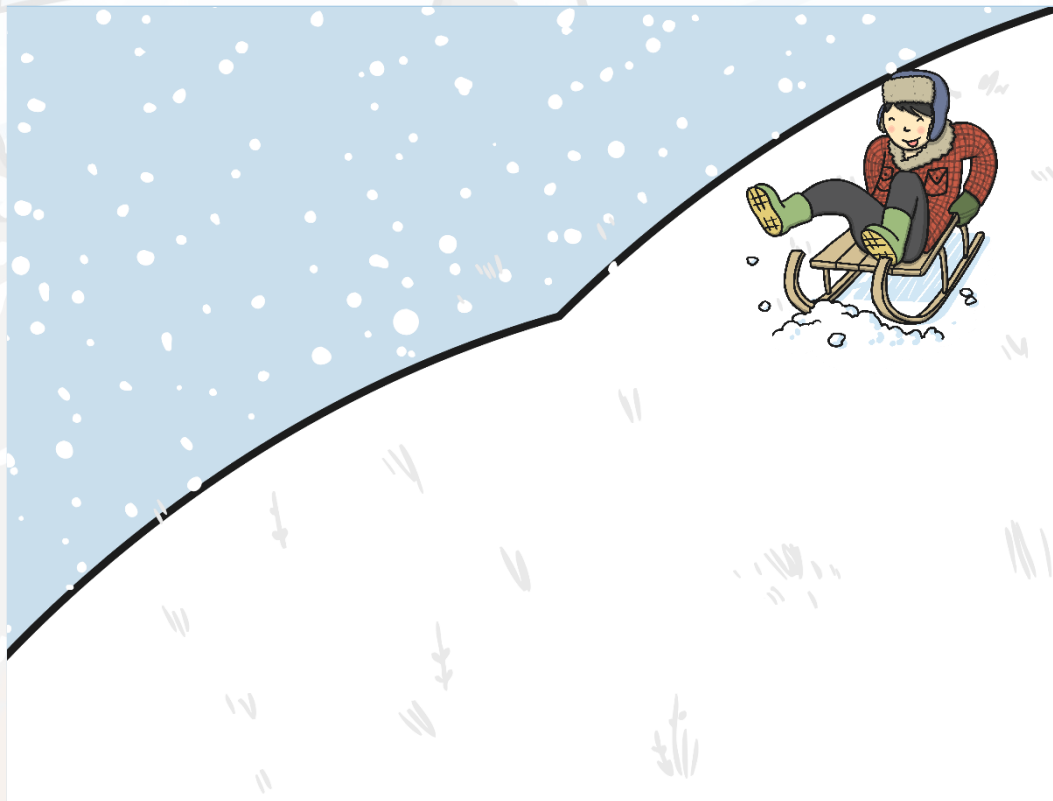
Success Criteria

- I can name 3 animals which adapt to cope with winter weather.
- I can describe how a chosen animal adapts to cope with winter weather.

Winter Weather



What do you already know about winter? Tell your partner.



How People Adapt



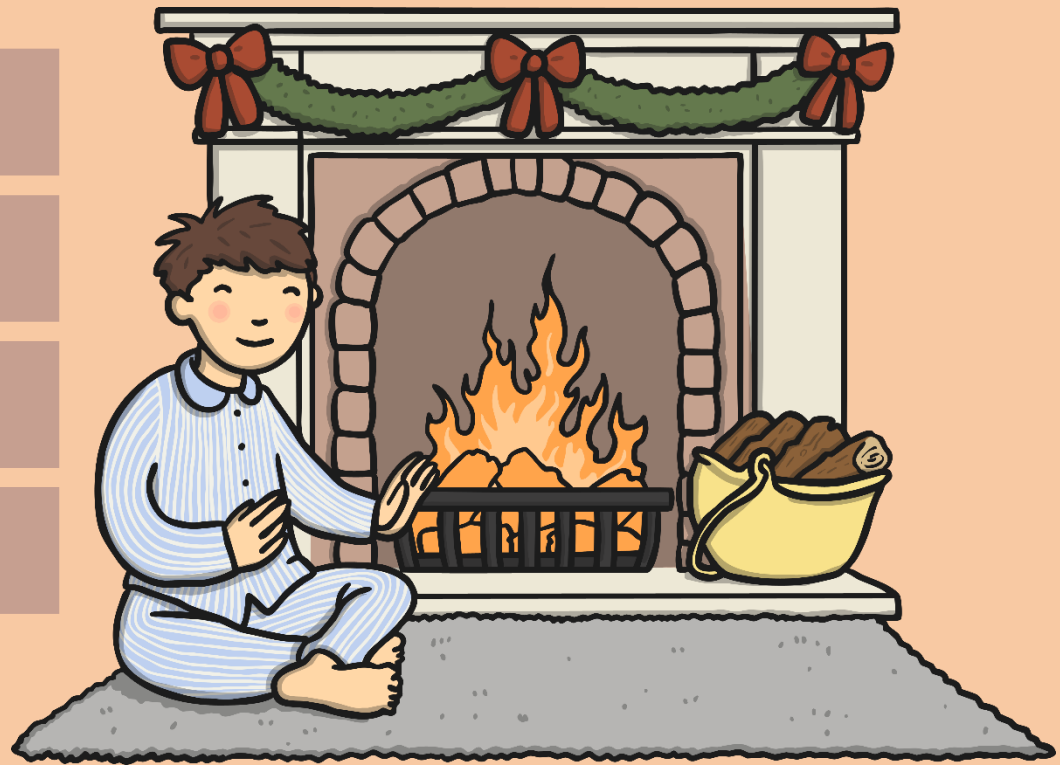
Think about what you and your family do during the winter. Use these questions to help you.

What do you wear in winter?

How do you keep warm indoors and outdoors?

What do like to eat in the winter?

What do you do after school?



How Animals Adapt

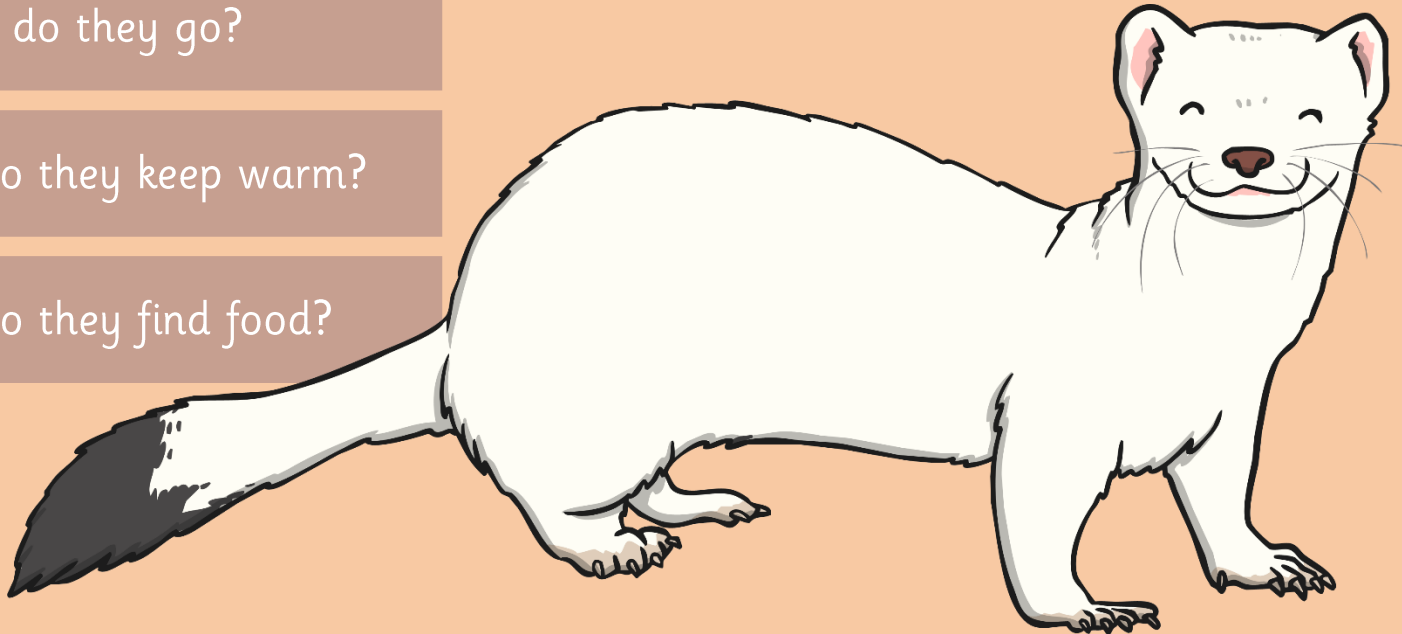


Think about what animals might have to do during the winter. Use these questions to help you.

Where do they go?

How do they keep warm?

How do they find food?



How Animals Survive Winter

Animals cope with winter weather by doing one of the following things...

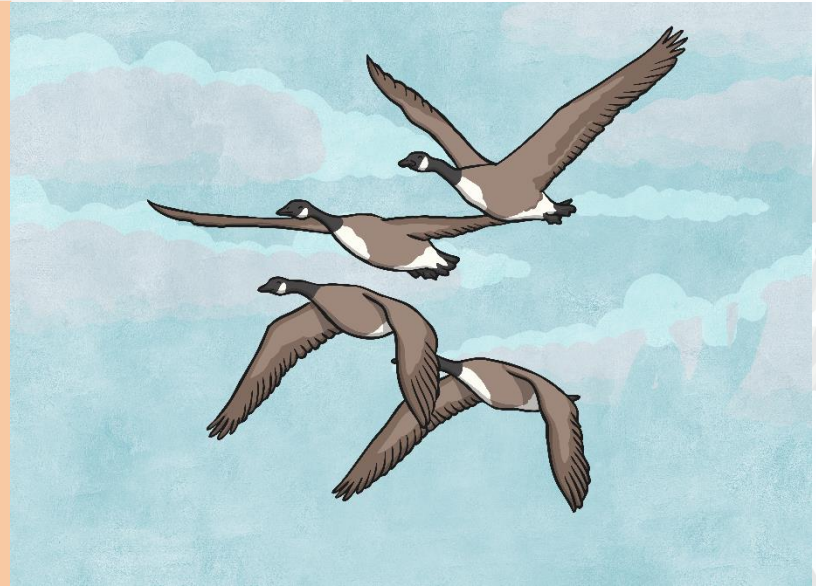
Hibernate: Some animals **hibernate** for some, or all, of the winter because the weather is cold and it is hard to find food. They find a safe place and fall into a very deep sleep. They don't need to eat because during the autumn they eat extra food to help feed them in winter.



How Animals Survive Winter

Animals cope with winter weather by doing one of the following things...

Migrate— Some animals **migrate**, which means they travel to another place where the weather is warmer and it's easier to find food.



How Animals Survive Winter

Animals cope with winter weather by doing one of the following things...

Adapt – Some animals **adapt**, which means they change their behaviour or bodies. Some animals grow thicker fur to keep warm, some eat food which they have collected in the autumn and saved for winter, and other animals eat different kinds of food as the seasons change.



How Animals Survive Winter



Hedgehogs **hibernate**.

Photo courtesy of Mick E. Talbot (@flickr.com) - granted under creative commons licence - attribution

How Animals Survive Winter



Bats **hibernate**.

Photo courtesy of chimothy27 (@flickr.com) - granted under creative commons licence - attribution

How Animals Survive Winter



Dormice **hibernate**.

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How Animals Survive Winter



Adders **hibernate**.

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How Animals Survive Winter



Most dolphins **migrate**.

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How Animals Survive Winter



Most whales **migrate**.

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How Animals Survive Winter



Some butterflies, like the monarch butterfly, **migrate**.

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How Animals Survive Winter



Lots of birds, like the swallow, **migrate** to warmer countries in winter.

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How Animals Survive Winter



Some animals, like Exmoor ponies, **adapt** to winter conditions by growing an extra layer to their brown coats.

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How Animals Survive Winter



Herdwick sheep can survive harsh winters because they have blizzard-proof fleeces.

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How Animals Survive Winter



Some animals, like the Arctic fox, **adapt** by changing the colour of their fur coats to match their surroundings in winter conditions.

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What Animals Do in Winter










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Animals in Winter

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Match the animals with how they adapt in winter.

<div>Whale</div> 	<div>I hibernate until the weather is warmer.</div>
<div>Bat</div> 	<div>I travel to a warmer place.</div>
<div>Butterfly</div> 	<div>I hibernate until the weather is warmer.</div>
<div>Hedgehog</div> 	<div>My fur changes colour.</div>
<div>Dormouse</div> 	<div>I travel to a warmer place.</div>
<div>Arctic Fox</div> 	<div>I hibernate until the weather is warmer.</div>



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Science | Year 11 Seasonal Changes (Autumn and Winter) | Animals in Winter | Lesson 6

Animals in Winter

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Write about what they do in winter. Choose:

appearance.




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Animals in Winter

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Choose an animal which adapts its behaviour or appearance to survive winter. Draw a picture and write some sentences to explain what it does.



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Animals in Winter Quiz



1. If an animal migrates, what does it do?

A. Goes to sleep for the winter.

B. Keeps very still for a long time.

C. Travels to a warmer place.

D. Goes for a ride in a car.

Click again to reveal answer

Animals in Winter Quiz



2. Which 3 animals hibernate in winter?

A. Dormice, bats and hedgehogs.

B. Dormice, cats and hedgehogs.

C. Dormice, rats and hedgehogs.

D. Dormice, hats and hedgehogs.

Click again to reveal answer

Animals in Winter Quiz



3. Why do some animals hibernate in winter?

A. Because they are lazy.

B. Because they get very tired.

C. Because they get bored.

D. Because it gets colder and it's difficult for them to find food.

Click again to reveal answer

Aim



- I can explain how some animals adapt in winter.

Success Criteria

- I can name 3 animals which adapt to cope with winter weather.
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