

Primary Geography

Hot and cold places

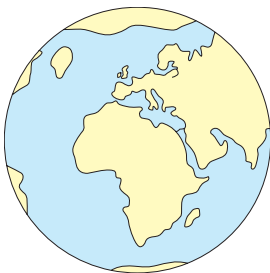
Name:

Class:

Knowledge organiser

Vocabulary	
atlas	book of maps
climate	what the weather is usually like, e.g. it is usually hot in summer, cold in winter
continent	large area of land, often with more than one country in it
degrees Celsius	measurement of temperature
globe	model of Earth
location	a specific place
temperature	how hot or cold something is
thermometer	something used to measure temperature
weather	what it is like outside today, e.g. is it raining or sunny?

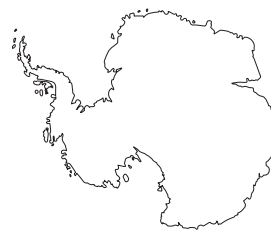
Continents



continents as they appear on a globe of the world



Africa



Antarctica



Asia



Europe



North America



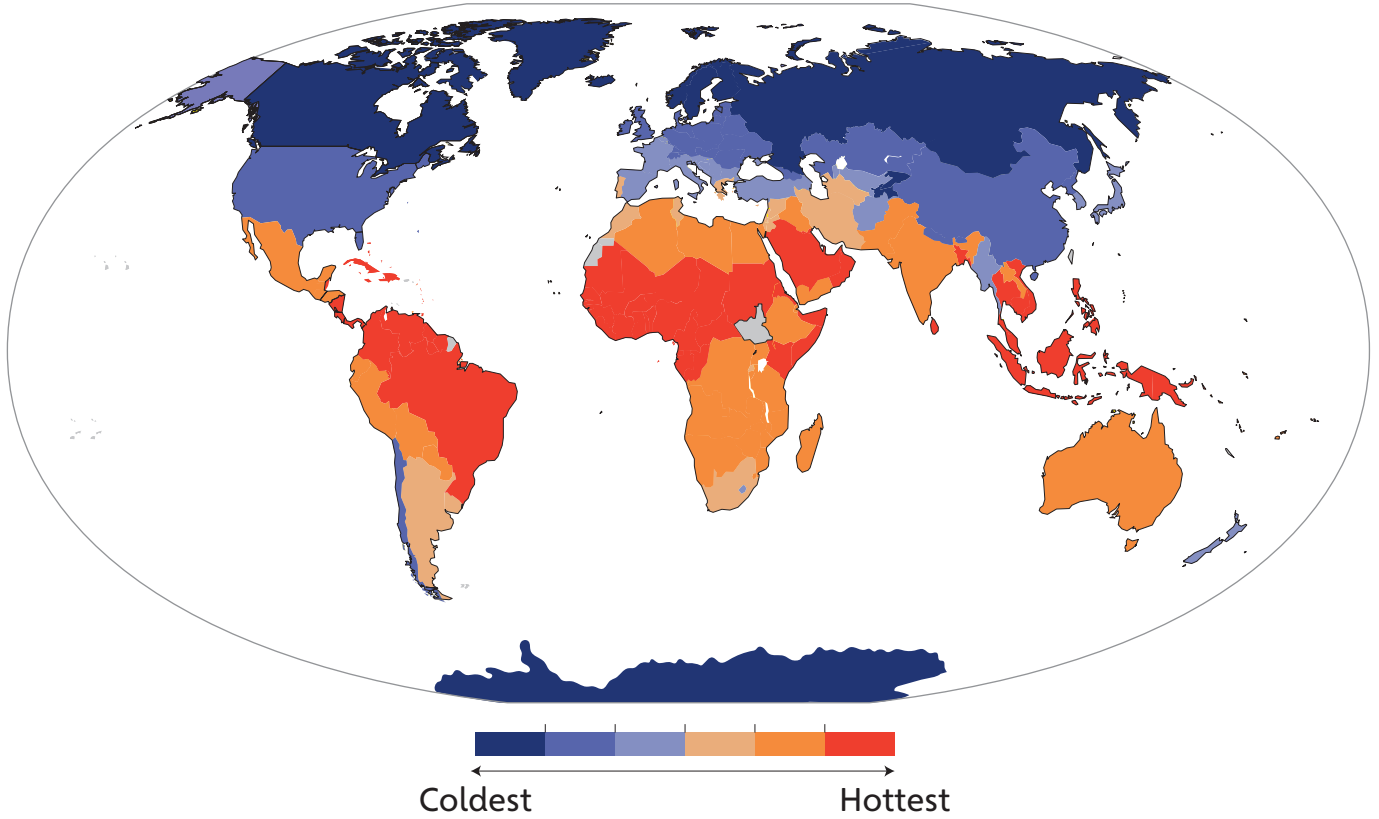
South America





















Australasia

Knowledge organiser

Average temperatures around the world



4 Learning review

Lesson	Lesson question	You will learn about ...	Learning review
1	How hot or cold is our school?	<ul style="list-style-type: none"> • following a map of the school. • using directions, e.g. 'left' and 'right'. • recording measurements. • how temperatures vary in different locations. 	 <input data-bbox="429 687 493 743" type="checkbox"/>  <input data-bbox="429 448 493 504" type="checkbox"/>  <input data-bbox="429 208 493 264" type="checkbox"/>
2	What do hot and cold places feel like?	<ul style="list-style-type: none"> • different temperatures around the world. • words to describe temperatures. • the coldest temperatures falling below zero. 	 <input data-bbox="620 687 684 743" type="checkbox"/>  <input data-bbox="620 448 684 504" type="checkbox"/>  <input data-bbox="620 208 684 264" type="checkbox"/>
3	Where are hot and cold places found on Earth?	<ul style="list-style-type: none"> • places being colder the further away from the equator they are, and hotter the closer they are to the equator. • using a range of maps. • the names of continents. 	 <input data-bbox="812 687 876 743" type="checkbox"/>  <input data-bbox="812 448 876 504" type="checkbox"/>  <input data-bbox="812 208 876 264" type="checkbox"/>
4	How does temperature affect hot and cold places?	<ul style="list-style-type: none"> • how hot and cold places are affected by their location. • how to find Norway and the UAE on a world map. • what it means to 'read a photograph'. 	 <input data-bbox="1011 687 1075 743" type="checkbox"/>  <input data-bbox="1011 448 1075 504" type="checkbox"/>  <input data-bbox="1011 208 1075 264" type="checkbox"/>
5	What features does an animal need to live in a hot/cold place?	<ul style="list-style-type: none"> • how and why animals have adapted to live in different places. • labelling a drawing. 	 <input data-bbox="1190 687 1254 743" type="checkbox"/>  <input data-bbox="1190 448 1254 504" type="checkbox"/>  <input data-bbox="1190 208 1254 264" type="checkbox"/>
6	How have real animals adapted to hot/cold places?	<ul style="list-style-type: none"> • identifying similarities and differences. • classifying and sorting animals. 	 <input data-bbox="1361 687 1425 743" type="checkbox"/>  <input data-bbox="1361 448 1425 504" type="checkbox"/>  <input data-bbox="1361 208 1425 264" type="checkbox"/>

Lesson 1

How hot or cold is our school?

Different temperatures

You will need a **thermometer** to measure the **temperature** in the air. Choose a part of your school to measure the temperature.



1. What is the temperature in your chosen **location**? Write your answer.

Location: _____

Temperature: _____ °C



2. Where is your location? Use the word bank to help you write your answer.

left

right

near

far

next to

close to

_____ metres from _____

My location is _____

Hot and cold places



3. What are the different temperatures around your school? Write your answers.

Location		Temperature (°C)
1	Hall	
2		
3		
4		
5		



4. Which things would you do in a hot classroom, and which would you do in a cold classroom? Place a tick in the box.

Action	Hot classroom	Cold classroom
 Open the window		
 Turn off the radiator		
 Put on a jumper		
 Close the window		
 Drink more water		
 Turn on the radiator		

Lesson 2

What do hot and cold places feel like?

Quiz

1. Which word describes how hot or cold a place is? Tick the correct answer.

- a. weight
- b. length
- c. temperature
- d. distance

Hot or cold?

1. What is it like in each place? Tick 'Hot' or 'Cold'.

a.



Hot Cold

b.



Hot Cold

c.



Hot Cold

d.



Hot Cold

Hot and cold places

2. Stick the picture cards in the correct boxes **above** the temperature line.

The diagram features a vertical temperature scale. At the bottom, the word "Coldest" is written. The scale itself is a vertical bar with a color gradient: dark blue at the bottom, transitioning through light blue, green, yellow, orange, and red to a bright red at the top. At the very top of the scale, the word "Hottest" is written. Above the scale, there are six dashed rectangular boxes arranged in a horizontal row, intended for placing picture cards.

3. Sort the word cards from coldest to hottest and stick them **under** the temperature line.
4. Stick the location cards in the correct places **above** the picture cards.

Lesson 3

Where are hot and cold places found on Earth?

Quiz

1. Which word describes somewhere hot? Tick the correct answer.

a. freezing

b. mild

c. scorching

d. chilly

Continents

1. Match each **continent** outline with its name. Draw a line between them.



Europe

Australasia

Africa

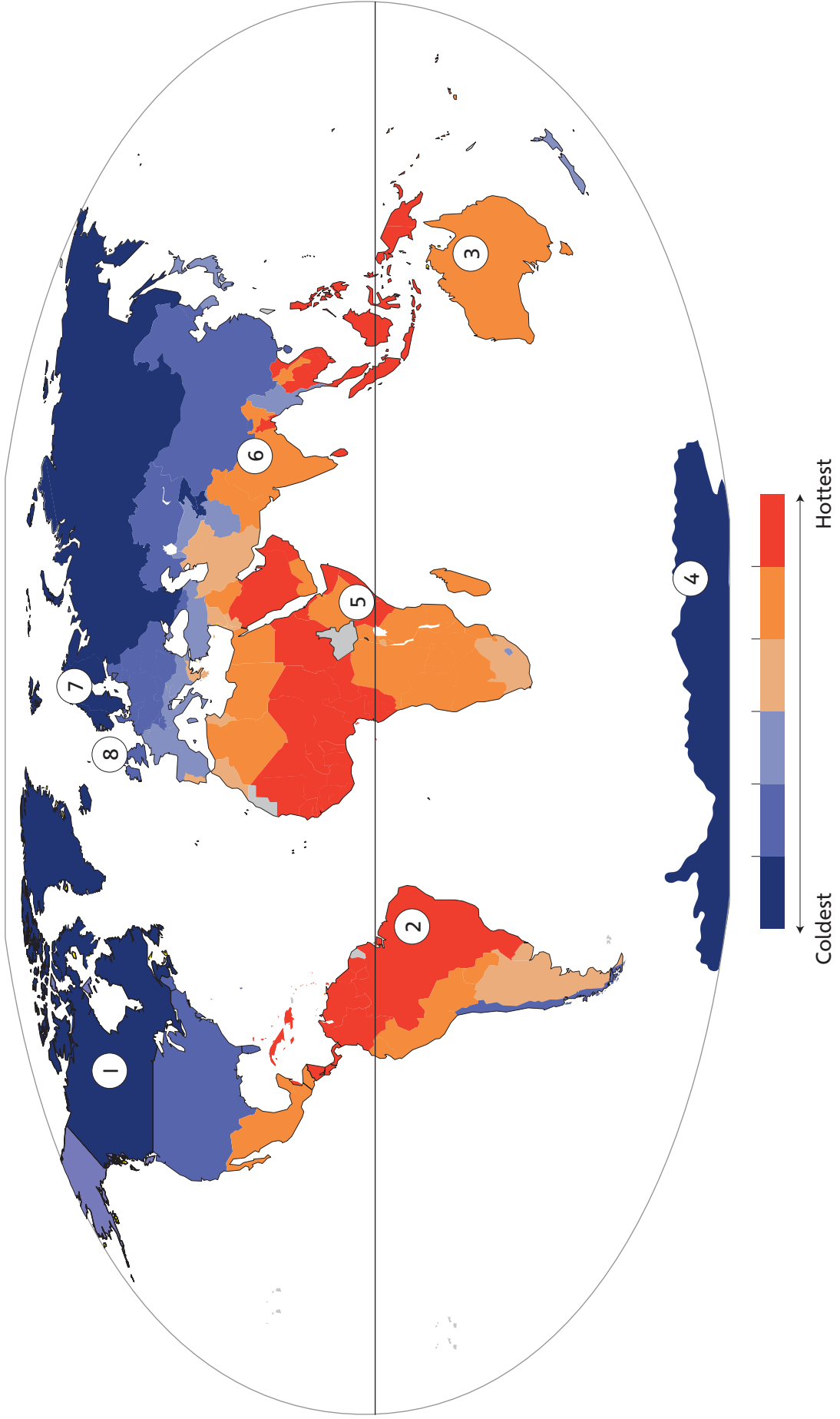
North America

South America

Asia

Antarctica

o Average temperatures around the world





2. Is the **climate** in each country warm or cold? Complete the table.

Number	Country	Continent	Warm	Cold
1	Canada	North America		✓
2	Brazil	South America		
3	Australia	Australasia		
4	-	Antarctica		
5	Kenya	Africa		
6	India	Asia		
7	Norway	Europe		
8	UK	Europe		



Kootenay National Park, Canada



Amboseli National Park, Kenya

Lesson 4

How does temperature affect hot and cold places?

Quiz

1. Read the statement below. Tick 'True' or 'False'.
Brazil is in North America.

True False

'Reading' photographs



— snow



— sand

Your teacher will give you some photos. Place yours in the middle of the boxes below.



1. What do you notice about the photo? Write your answers.

I wonder ...

I can guess that ...

I can see ...


A large gray rectangular frame containing three nested white rectangular boxes. The innermost box is for a photo. The middle box is for the text 'I can see ...'. The outermost box is for the text 'I can guess that ...'. The text 'I wonder ...' is located in the gray area outside the boxes.

2. What do you notice about the photo? Write your answers.

I wonder ...

I can guess that ...

I can see ...



Comparing cities



3. a. Which statements are most likely to be true for Tromsø, Dubai, or both? Tick the correct boxes.

Statement		Tromsø	Dubai	Both
1	You can go sledging.			
2	People have air conditioning.			
3	People wear lots of layers during the day.			
4	It is close to the equator.			
5	You need to wear a hat.			
6	You can eat lots of fish.			
7	People often stay indoors because of the temperature.			
8	There are lots of tourists.			

- b. Complete the sentences to give reasons for your answers in task (a).

I think you can go sledging in _____ because _____

I think you need to wear a hat in _____ because _____



Tromsø, Norway



Dubai, United Arab Emirates

Lesson 5

What features does an animal need to live in a hot/cold place?

Quiz

1. Which word describes a country near the equator? Tick the correct answer.

- a. chilly
- b. hot
- c. mild
- d. freezing

Hot or cold?

1. Choose one of the places from pages 17 and 18. What is it like in your chosen place? Circle the correct words to complete these sentences.

In the picture, the weather is likely to be **sunny** / **snowy**.

The temperature is likely to be **hot** / **cold**.

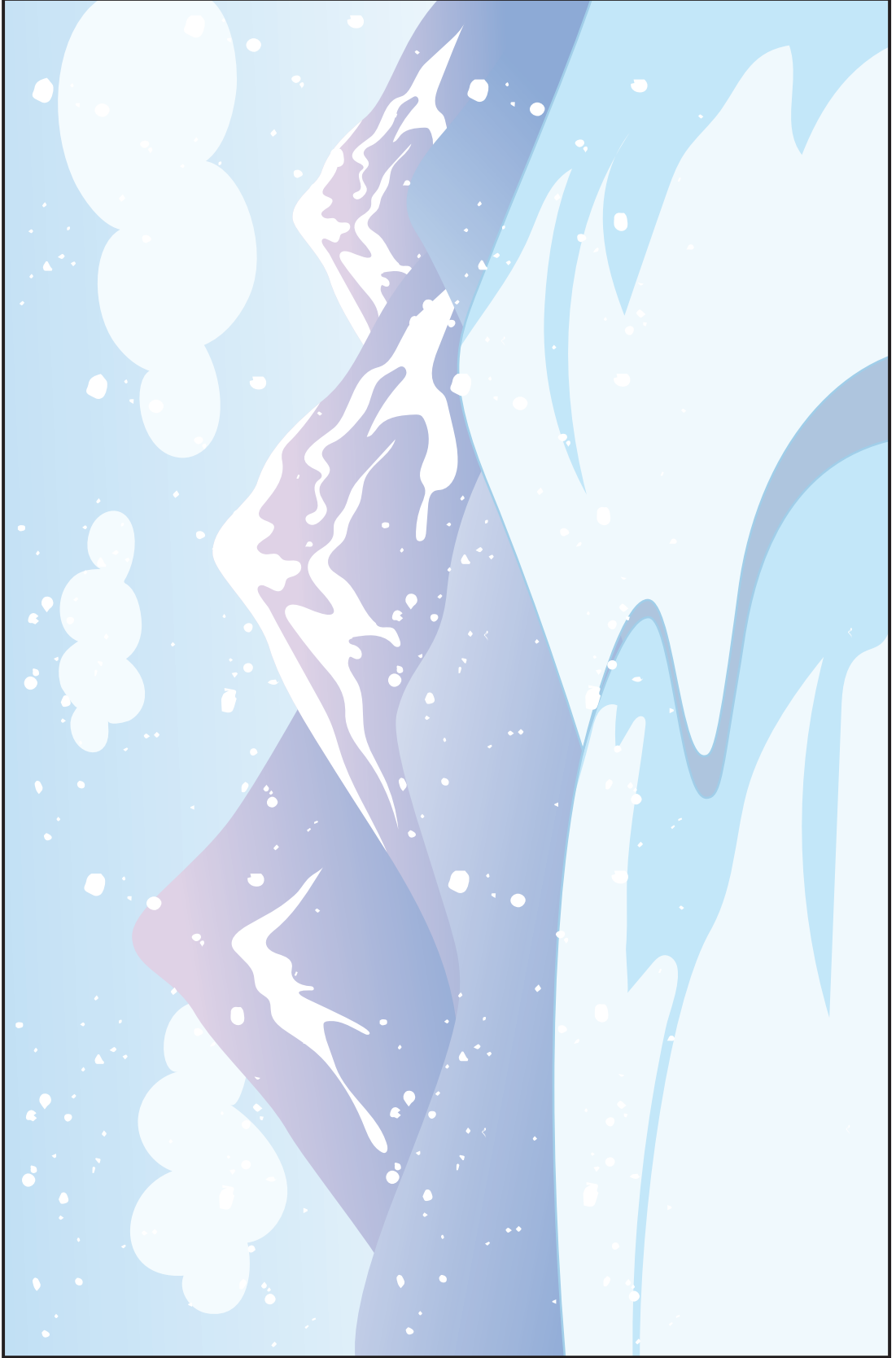
It looks like a place where it **rains a lot** / **does not rain very much**.

There is **a lot** / **not a lot** of water.

Animals might be able to eat **fish** / **plants**.

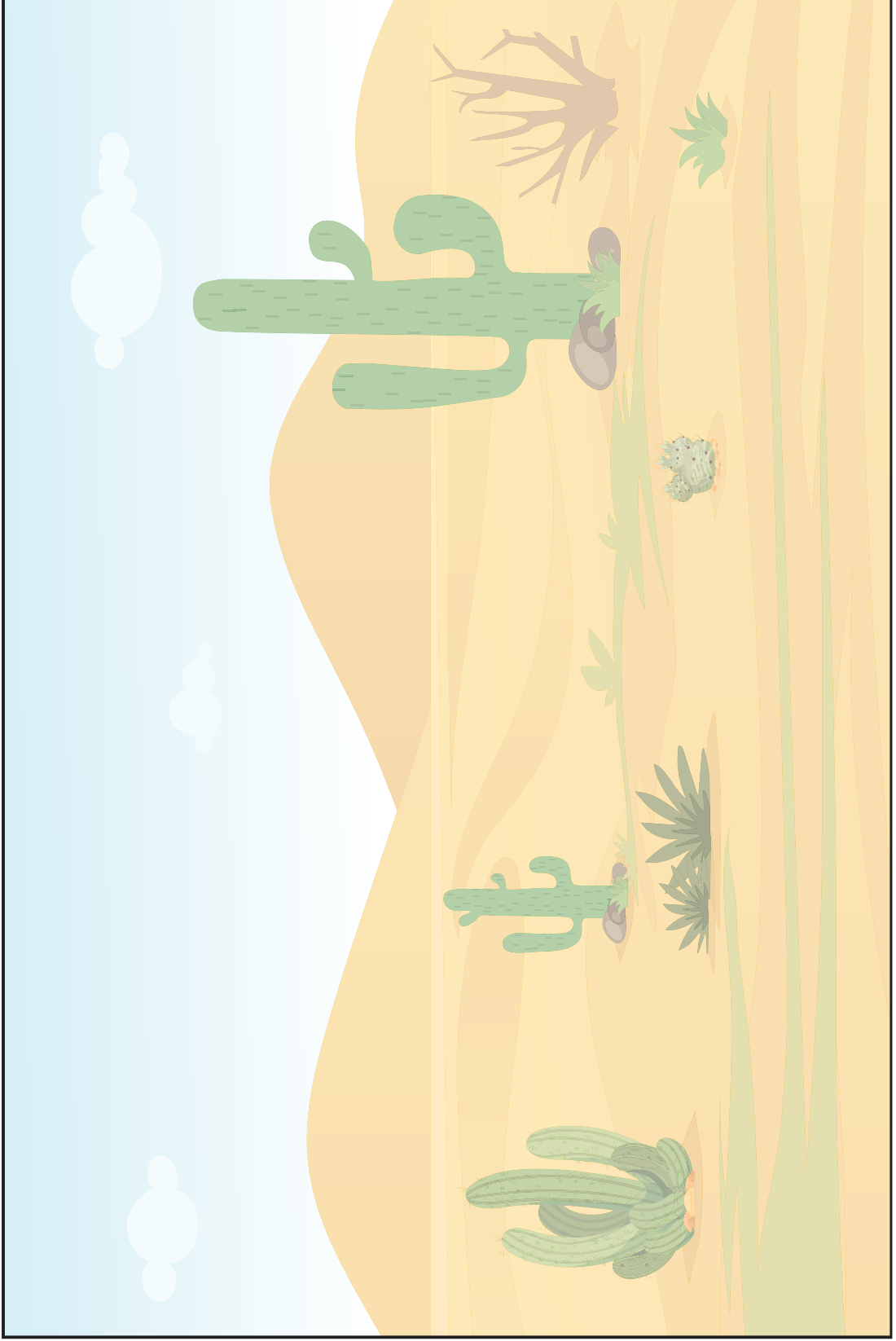
Animal living in a cold place

2. Draw and label an animal that could live in a cold place.



∞ Animal living in a hot place

3. Draw and label an animal that could live in a hot place.



Lesson 6

How have real animals adapted to hot/cold places?

Quiz

1. Read the statement below. Tick 'True' or 'False'.

It rains a lot in the desert.

True False

Hot or cold?

1. Circle the correct words to complete the sentences.



Polar bears live in **hot** / **cold** climates.



Arctic foxes live in **hot** / **cold** climates.



Camels live in **hot** / **cold** climates.



Arctic hares live in **hot** / **cold** climates.



Reindeer live in **hot** / **cold** climates.

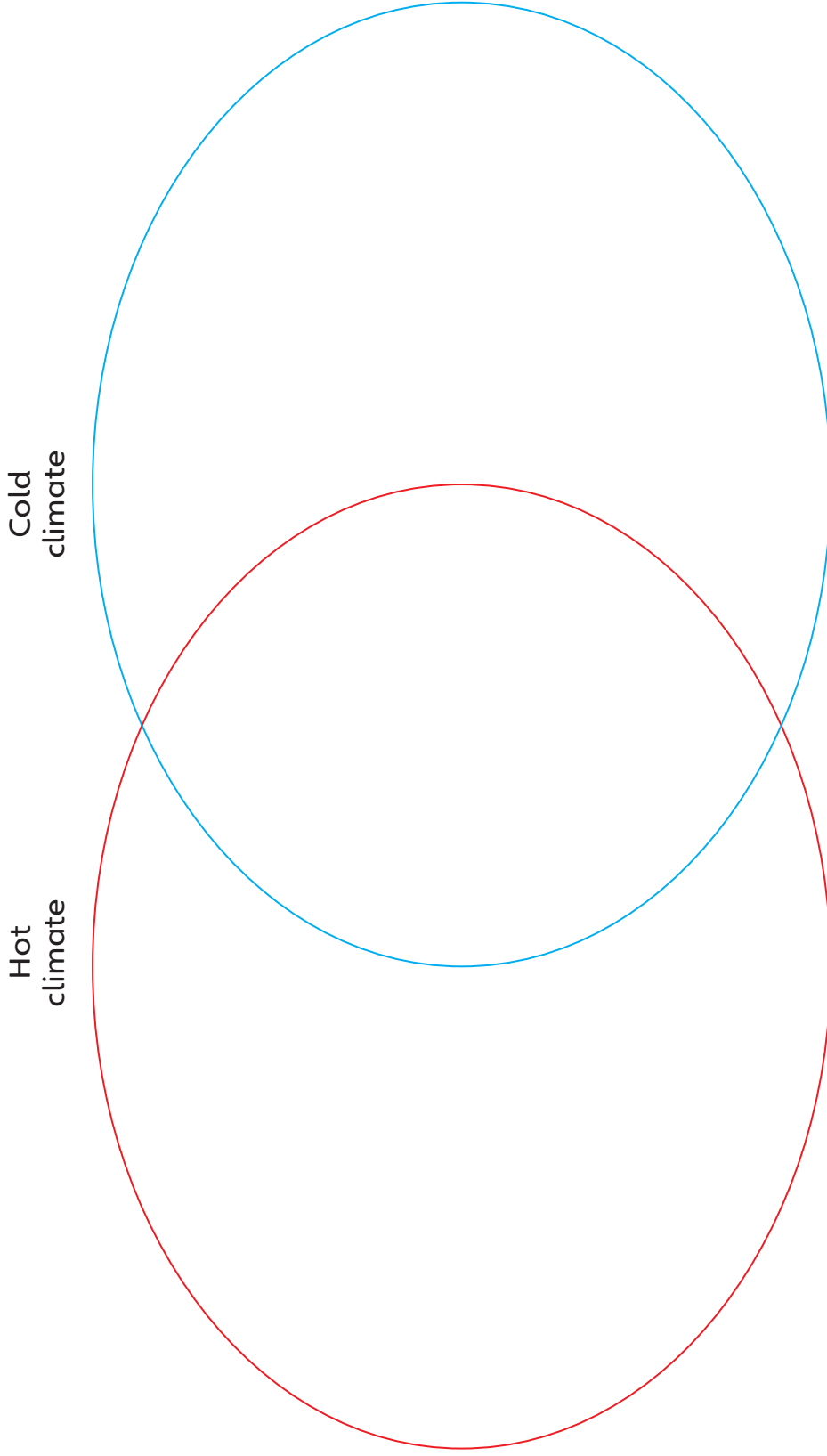


Fennec foxes live in **hot** / **cold** climates.



Kangaroos live in **hot** / **cold** climates.

2. Which feature should go in which circle? Write your answers.



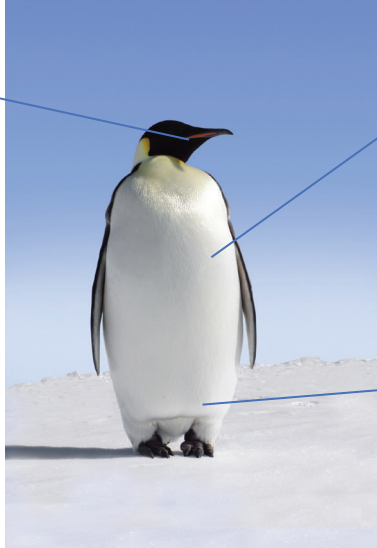
- thick fur
- bushy tail
- small ears
- big ears
- long eyelashes



3. Fill in the blanks to complete these labels.

beak feet feathers

A small _____ stops penguins losing heat.



Thick _____ keep penguins warm.

Small _____ stop penguins losing heat.



4. Fill in the blanks to complete these labels.

head mouth skin

The shape of a chameleon's _____ is able to collect water (dew).



A large _____ that the chameleon can open to cool off.

Colour-changing _____ to soak up the heat from the sun.

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Primary Geography

Hot and cold places

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