

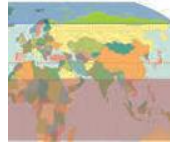




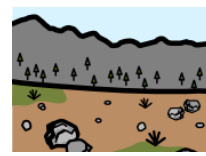
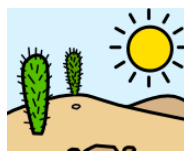



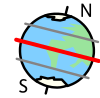

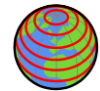






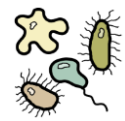







Year 3 Spring 1. Geography - Weather and Climate

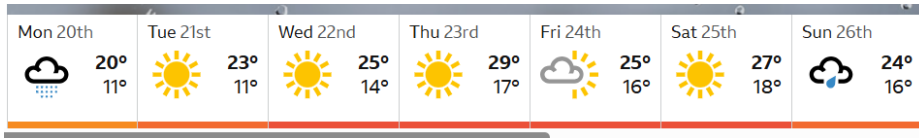
Vocabulary			Knowledge				
weather	The average day-to-day levels of rainfall, temperature, wind and humidity and that climate for a given area.		The Earth can be divided into three climate zones.				
climate	The average of rainfall, temperature, wind and humidity for an area.			Polar - cold summers and winters, usually below 10 degrees. Temperate - four clear seasons; wetter in the winter; drier in the summer. Tropical - rainfall, humidity and high temperatures with little difference between summer and winter.			
precipitation	A collective term for rain, snow, sleet and hail.		The climate of an area determines the vegetation that grows and the animals that thrive there. There are five different vegetation regions in the world:				
temperature	How hot and cold an area is (measured in degrees c or °c).						
humidity	The amount of water that is in the air.		Forest regions are covered in trees.	Grasslands are dominated by grasses and some flowers.	Tundra is where there is a mixture of grasses, lichen and moss.	Deserts have low precipitation and some plants.	Ice sheet are large masses of ice with very little plant-life.
rainfall	The amount of rain that falls.		Floods can be caused by heavy rainfall, snowfall and storms that lead to temporarily higher sea levels along a coast or higher water levels in a river. When areas of land that are usually dry become covered with water, this is called a flood.				
equator	The imaginary line at the widest part around the earth.			Some areas of the world experience annual floods such as Bangladesh. This is due to (i) locations close to the sea and rivers (ii) location near mountains, meaning snow melts during the summer, (iii) location near large rivers such as the Ganges.			
latitude	Imaginary horizontal lines either north or south of the equator and are measured in degrees used to locate an area.			Flooding can affect people in many ways, including,			
climate zone	An area which has its own distinct climate.						
vegetation	The type of plant-life in an area.		Death of people from the rising water and diseases.	Death of livestock which people need for food, provisions and money.	Destruction of vegetation, causing shortages of food and finances.	Destruction of buildings and infrastructure.	Increase of waterborne disease.
flood	When areas which are typically dry are covered in water.						
hemisphere	The top half of the Earth above the equator is called the Northern Hemisphere and the bottom half of the Earth is called the Southern Hemisphere.						

Quizzing		Quiz at home
Ask your partner the questions below. Can they find the correct answer on the right-hand side?		Ask your adult to look at the KO.
What is the word for how hot or cold an area is?	The equator	Quiz them using the vocabulary and knowledge section or the quiz questions. • Can they beat your score? • Can they score more than 5? 10? • Compete with your adult in the elimination quiz. Take it in turn to ask each other questions. The first person to get a question wrong is out.
Which type of weather is typical in a desert?	Grasses, lichen or moss	
What is the name for the bottom half of the Earth?	The climate	
What types of diseases increase during flooding?	Tropical	
What effects the vegetation of a region?	Temperature	
Which climate zone has four clear seasons?	Waterborne	
Name something that grows on the tundra.	Southern hemisphere	
What is the name for the imaginary line at the widest part around the earth?	Temperate	
Which climate zone has high rainfall, high humidity and high temperatures?	Low rainfall	
BIG Questions		Beat the adult
1. What are the differences between a location's weather and its climate? 2. In which climate zone is the United Kingdom? Australia? Brazil? 3. Name five vegetation regions. 4. Where are the polar climate zones located? 5. Name four effects of flooding. 6. Why are deserts at the Equator hotter than tundra regions at the poles? 7. What are the eight main points on a compass?		Your teacher can give 10 facts in 1 minute about this topic. How many can you give to your partner? 
Word scramble		Challenge
Unscramble the key vocabulary from this topic below. You can create your own at the bottom		<div><div><div>A country in the Northern Hemisphere in the polar climate zone. -----</div><div>A country in the Northern Hemisphere in the temperate climate zone. -----</div><div>A country in the Northern Hemisphere in the tropical climate zone. -----</div><div>A country in the Northern Hemisphere in the polar climate zone. -----</div><div>A country in the Southern Hemisphere in the temperate climate zone. -----</div></div><div>Where in the World?</div></div>
a zinc omelet		
grand lass		
no tsunami		
vote eating		
frail nal		
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Creative Tasks		
1. Use a blank copy of the KO to fill in the missing information.		
2. Use recycled materials to create a sculpture representing climate change.		
3. Write a poem based on the climate of the United Kingdom.		
4. Make, paint or draw a polar habitat including the vegetation and animals that live there.		
		

Enquiry

Weather and Climate

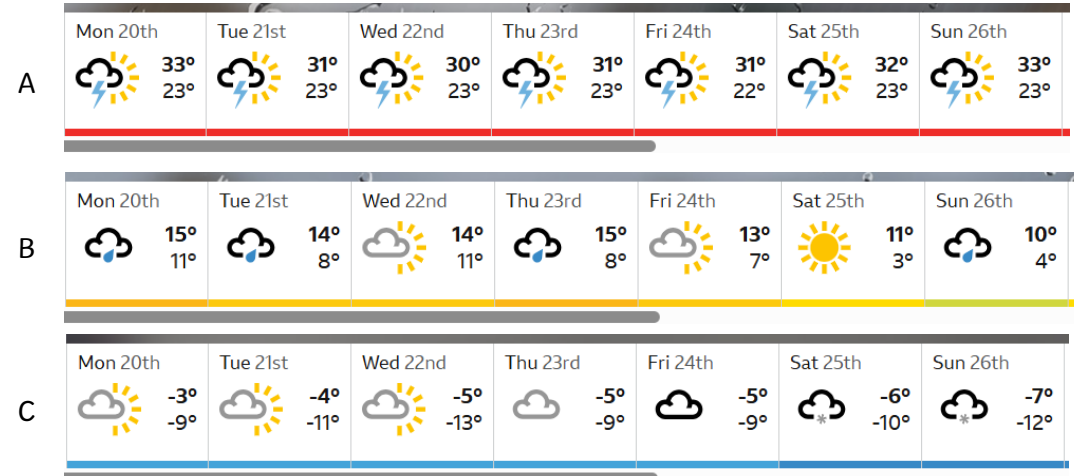
Look at today's weather forecast.
Predict what the weather will do tomorrow, include temperature, rainfall, wind strength and direction.
Continue this for a week.
How accurate were you?
Was the forecast you watched accurate?
Use weather symbols similar to those on the forecast you watched.



Here are three countries – one in each climate zone.
Look at them on a map and write down their latitudes.

- Iceland
- Indonesia
- Ireland

Here are three weather forecasts from different climate zones.
Look at them and work out which weekly forecast links to which climate zone.
Explain your conclusion.



Which of these weather forecasts is most likely to be in Iceland, Indonesia or Ireland?

Map Work

You will need a world map to complete this challenge.

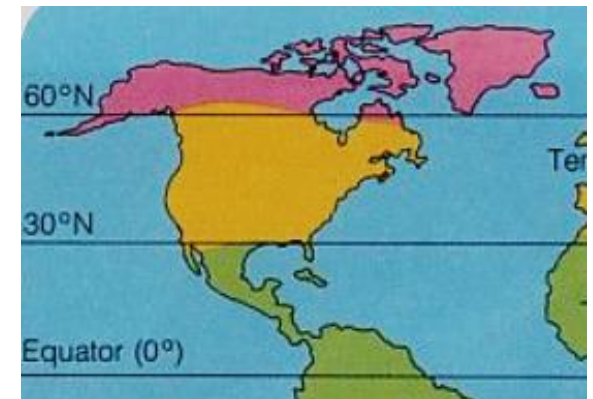
- Locate Iceland, Indonesia and Ireland on this world map.
- Draw the Equator on the map.
- Draw lines where the climate zones change; between the polar and temperate climate zones, then the temperate zones and the tropics.

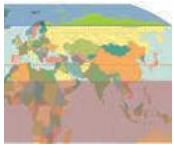
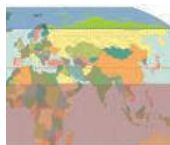


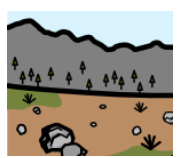














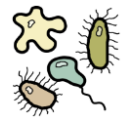
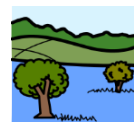
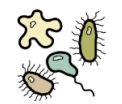





















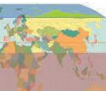
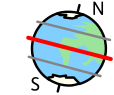




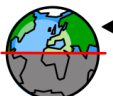
This is a map of the continent of North America

It is within all three climate zones.

Make a key using the three colours for the map labelling the climate zone.



Knowledge					Knowledge				
The Earth can be divided into three climate zones.					The Earth can be divided into _____ climate zones.				
	Polar Temperate Tropical					Polar - _____ summers and winters, usually below 10 degrees. Temperate - four clear _____; wetter in the winter; drier in the summer. Tropical - rainfall, _____ and _____ temperatures with little difference between summer and winter.			
The climate of an area determines the vegetation that will grow and the animals that thrive there. There are five different types of vegetation regions in the world					The climate of an area determines the _____ that will grow and the animals that thrive there. There are _____ different types of vegetation regions in the world:				
									
					_____ have low precipitation and some plants.	Forest regions are covered in _____	Tundra is where there is a mixture of _____, lichen and moss.	Ice sheet are large masses of ice with very little _____.	_____ are dominated by grasses and some flowers.
					Some areas of the world experience _____ floods such as Bangladesh. This is due to (i) _____ close to the sea and rivers (ii) location near mountains, meaning snow melts during the summer, (iii) location near large _____ such as the Ganges.				
						Floods can be caused by heavy rainfall, _____ and storms that lead to temporarily higher sea levels along a coast or higher water levels in a river. When areas of land that are usually dry become _____ with water, this is called a flood.			
Flooding can affect people in many ways, including,					Flooding can affect people in many ways, including,				
									
					Destruction of _____, causing shortages of food and finances.	Increase of _____ disease.	Death of _____ which people need for food, provisions and _____.	_____ of people from the rising water and diseases.	Destruction of buildings and _____.

Write the definition for each of the following words			Write the vocabulary word for each definition		
Vocabulary			Vocabulary		
weather			rainfall	The amount of _____ that falls.	
climate			hemisphere	The top half of the Earth above the equator is called the _____ Hemisphere and the bottom half of the Earth is called the _____ Hemisphere.	
precipitation			weather	The average day-to-day levels of rainfall, temperature, wind and humidity and that climate for a given area.	
temperature			climate	The _____ of rainfall, temperature, wind and humidity for an area.	
humidity			precipitation	A collective term for _____, snow, sleet and hail.	
rainfall			temperature	How _____ and cold an area is (measured in degrees c or °C).	
equator			humidity	The amount of water that is in the _____.	
latitude			flood	When areas which are typically _____ are covered in _____.	
climate zone			equator	The _____ part around the earth.	
vegetation			latitude	_____ horizontal lines either north or south of the equator and are measured in _____ used to locate an area.	
flood			climate zone	An area which has its own distinct _____.	
hemisphere			vegetation	The type of _____ in an area.	