

# Climate Zones Journey

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## Teacher's Notes

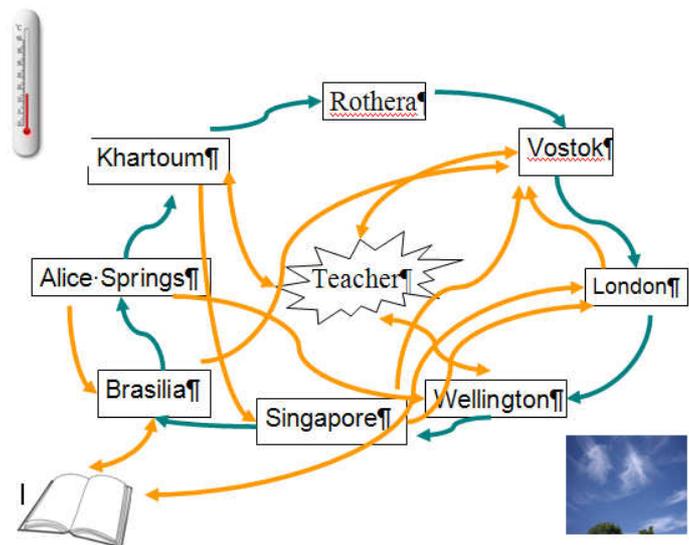
### Overview

This is a game for use with a KS2 class, looking at climate zones around the world.

Differentiation is easy within a class by using different sets of question cards. Print sets on different coloured card so that pupils are not aware that some of the questions are different.

### What to do

The game consists of a journey through different 'cities' in a classroom or hall. At each city the pupil (or group) must answer a question with 3 possible answers. Choosing the correct answer will lead to the next city and the final one will take you back to where you started. Pupils do not know the order in which they have to visit the cities and, as it is circular, groups can start at different places.



Incorrect answers result in penalties which can either send pupils back to somewhere they have already visited or describe another type of penalty. If all questions are answered correctly, students take the green route around the cities. Any incorrect answers results in yellow diversions.

At each city pupils collect a word which makes the sentence "climate is what you expect, weather is what you get". Alternatively, they could collect a weather related artefact which could then be used for extension work for the whole class or for the more able pupils (for example, materials to make a weather instrument).

### Preparation

There are 8 cities in 4 climate zones and two alternative sets of question cards, with three possible answers for each question.

You'll need to print out one set of questions per group or student (standard or easier), and one set of the answers, and one set of place names.

Cut out the answer cards, fold along the dotted line and stick the backs together to give a two sided card. Put each set of 3 answers on one table in the classroom or hall, with the white side up. You could add an artefact to the table (Rothera and Vostok are loosely polar themed, London and Wellington are temperate, Singapore and Brasilia are tropical and Alice Springs and Khartoum are desert).

Pupils must always turn answer cards back over again when they have looked at them.

When they have answered all 8 questions, they should be able to rearrange the words they have collected to form the sentence.

## Questions (standard)

**Rothera** What word describes the temperature and rainfall on a particular day?

**Vostok** What is the average August temperature at the South Pole?

**London** What sort of climate has the average summer and winter temperatures shown on these thermometers?

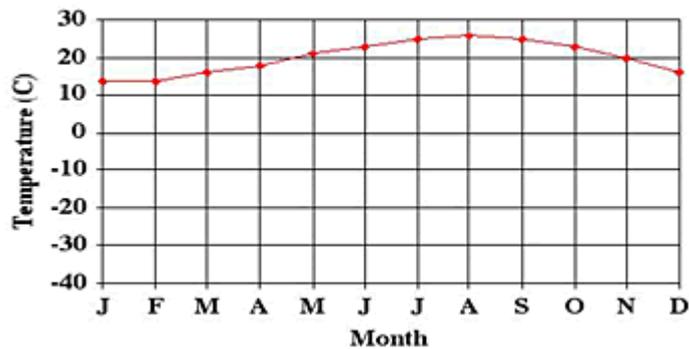


**Wellington** How much rain does London get in a year?

**Singapore** What sort of climate is constantly hot and wet?

**Brasilia** Which cloud is a Cumulonimbus?

**Alice Springs** What sort of climate has the temperatures shown on this graph, and very little rainfall?

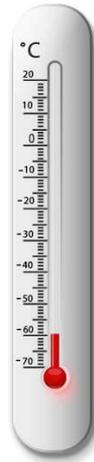


**Khartoum** Which of these factors has the biggest effect on the sort of climate a place has?

**Questions (easier)**

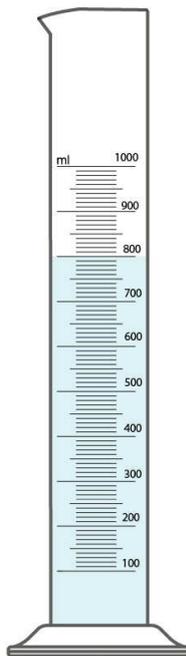
**Rothera** What is the missing word in this sentence? “The \_\_\_\_\_ on the 6<sup>th</sup> April 2013 was rainy and cold”

**Vostok** What is the temperature on this thermometer?



**London** What sort of climate do we have in the UK?

**Wellington** How much rain is in this measuring cylinder?



**Singapore** What sort of climate does Brazil have?

**Brasilia** Which of these clouds would you expect to bring heavy, thundery rain?

**Alice Springs** What sort of climate does Egypt have?

**Khartoum** Which word describes how far you are from the Equator?

## Answer Cards

<p>Rothera 1</p> <p>Climate</p>	<p>Write this sentence in your book and try again:</p> <p>Climate is the average weather in a place over many years.</p>
<p>Rothera 2</p> <p>Geography</p>	<p>Heavy rain has caused flooding. Stay where you are for 30 seconds before trying again.</p>
<p>Rothera 3</p> <p>Weather</p>	<p>Go to Vostok and write down 'climate'</p>

<p>Vostok 1</p> <p>-60°C</p>	<p>Go to London and write down 'is what'</p>
<p>Vostok 2</p> <p>-10°C</p>	<p>A tornado blows you back to the teacher for advice.</p>
<p>Vostok 3</p> <p>10°C</p>	<p>Write this sentence in your book then try again: When it is summer in the Northern Hemisphere, it is winter in the Southern Hemisphere.</p>
<p>London 1</p> <p>Tropical</p>	<p>Go and look at a book or atlas to help you answer this question.</p>

London 2	Temperate	Go to Wellington and write down 'weather'
London 3	Desert	Go to Vostok
Wellington 1	80cm	Go to Singapore and write down 'get.'
Wellington 2	10cm	A tornado blows you back to the teacher for advice before trying again.

<p>Wellington 3</p> <p>800cm</p>	<p>Heavy rain has caused flooding. Stay where you are for 30 secs before trying again.</p>
<p>Singapore 1</p> <p>Temperate</p>	<p>Go to Vostok</p>
<p>Singapore 2</p> <p>Tropical</p>	<p>Go to Brasilia and write down 'is what'</p>
<p>Singapore 3</p> <p>Desert</p>	<p>Go to London</p>

Brasilia 1



Go to Alice Springs and write down 'you'

Brasilia 2



Go to Vostok

Brasilia 3



Look up the word 'cumulonimbus' and write its meaning in your book before thinking again

<p>Alice Springs 1</p> <p>Desert</p>	<p>Go to Khartoum and write down 'you'</p>
<p>Alice Springs 2</p> <p>Arctic</p>	<p>Go to Wellington</p>
<p>Alice Springs 3</p> <p>Tropical</p>	<p>Go to Brasilia</p>
<p>Khartoum 1</p> <p>Latitude</p>	<p>Go to Rothera and write down 'expect,'</p>

Khartoum 2

The time of year.

Go to Singapore

Khartoum 3

Longitude

A tornado blows you back to the teacher for advice.

# Rothera

Vostok

London

Wellington

Khartoum

Alice Springs

Brasilia

Singapore