

Scorching summers, wetter winters

Fill in the chart below to show how the climate will change in your home area. You will need to find figures for summer and winter temperatures and precipitation.

Place (where you live)			
Date	1971 – 2000	2080: Low Emissions Scenario	2080: High Emissions Scenario
Average winter temperature (Oct-Mar)			
Average summer temperature (Apr-Sept)			
Average winter precipitation (Oct-Mar)			
Average summer precipitation (Apr-Sept)			

First, go to the Meteorological Office website
<http://www.metoffice.gov.uk/climate/uk/averages/19712000/index.html>

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to find figures for 1971 to 2000. Work out average summer and winter temperatures and precipitation for where you live. Do you remember how to do averages?

Next, extract information from the eight climate maps showing 2080 figures. Notice that the temperature differences are measured in degrees Celsius, and precipitation differences are marked as percentages. Use the example below to help you to calculate final figures.

Example

Place (where you live)	Talgarth, Powys, Wales		
Date	1971 – 2000	2080: Low Emissions Scenario	2080: High Emissions Scenario
Average winter temperature (Oct-Mar)	6°C	7.5°C (+1.5°C)	8.5°C (+2.5°C)
Average winter precipitation (Oct-Mar)	57.1mm	63.11mm (+10%) (Calculation: 57.1÷100 x10 =5.71. 5.71+57.1 =63.11)	71.38mm (+25%) (Calculation: 57.1÷100 x25 =14.28. 14.28+57.1 =71.38)