**Climate in the UK**

1. Visit <https://www.metoffice.gov.uk/research/climate/maps-and-data/uk-climate-averages>
2. Complete the table below for your most LOCAL weather station

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Month | Maximum temperature (°C) | Minimum temperature (°C) | Days of air frost (days) | Sunshine (hours) | Rainfall (mm) | Days of rainfall ≥1 mm (days) |
| My local Weather station name: |  |  |  |  |  |  |
| UK Annual Total or average | 12.4 | 5.3 | 54.6 | 1372.8 | 1154 | 156.2 |

1. How does your data compare to the UK average? You should discuss each element of data in the table
2. What do the colours on the map show?
3. What range of temperatures does the UK have?
4. What generally happens to temperature across the UK? Try to describe the pattern
5. Why do some areas of the UK have a colder climate than others?

**UK Climate Zones**

1. Using the maps of climate features of the UK complete all of the tables for all 4 zones. Take the dominant (the one that appears the most) colour in the zone for your value
2. Which zone do you live in? Draw a dot to represent you on the map!



1. Which zone do the following descriptors go with?

|  |  |
| --- | --- |
| **Descriptor** | **Zone** |
| Cold winters, cool summers, lower rainfall |  |
| Cold winters, warm summers, lower rainfall |  |
| Mild winters, cool summers, heavy rainfall |  |
| Mild winters, warm summers, heavier rainfall |  |

1. Add them to your map
2. In which zone would you like to live? Justify your answer

**Why does the UK climate vary?**

Read carefully the text on local climate variations in the UK

1. Explain how the prevailing wind affects precipitation levels in the UK

1. Which factors affect the temperature across the UK? Make a list.
2. Why does it generally get cooler as we move North through the UK?

1. Which factors most affect where you live?