

Mountain Climates



Aim

- I can describe a mountainous climate.

Success Criteria

I can tell you what the weather is usually like on a mountain.

I can tell you the differences between a weather forecast and climate.

I can find compare mountain climates.

I can list the risks associated with a mountain climate.

What Is It like in the Mountains?



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What Is the Weather like in the Mountains?

The weather in the mountains depends on the location of the mountains!

Mountain Weather

Use the Internet to find today's weather forecast for Lobujya, Nepal (The Himalayas).

Lobujya

Weather	Temperature (°C)	Rainfall (mm)	Wind speed (km/h)

Look at the chart below:

	J	F	M	A	M	J	J	A	S	O	N	D
Average temperature (°C)	-10	-8	-5	-1	3	7	8	8	6	0	-4	-7
Average precipitation (mm)	8	13	15	18	20	51	86	96	41	24	5	9
Average wind speed (km/h)	6	8	9	9	8	8	7	7	6	5	6	6

Is the weather in Lobujya typical for today?

How would you summarise the general climate in Lobujya?

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Mountain Weather

Use the Internet to find today's weather forecast for Breckenridge, Colorado, USA (The Rocky Mountains).

Breckenridge

Weather	Temperature (°C)	Rainfall (mm)	Wind speed (km/h)

Look at the chart below:

	J	F	M	A	M	J	J	A	S	O	N	D
Average temperature (°C)	-9	-9	-5	-1	4	9	12	12	8	2	-3	-9
Average precipitation (mm)	37	42	46	49	43	35	59	59	38	32	35	38
Average wind speed (km/h)	9	11	11	7	6	2	4	13	11	7	9	7

Is the weather in Breckenridge typical for today?

How would you summarise the general climate in Breckenridge?

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Mountain Weather

Use the Internet to find today's weather forecast for Crans-Montana, Switzerland (The Alps).

Crans-Montana

Weather	Temperature (°C)	Rainfall (mm)	Wind speed (km/h)

Look at the chart below:

	J	F	M	A	M	J	J	A	S	O	N	D
Average temperature (°C)	-2	-2	1	4	9	12	15	14	12	8	2	-1
Average precipitation (mm)	130	100	80	50	70	80	70	70	60	90	60	120
Average wind speed (km/h)	7	7	9	9	9	9	9	7	7	7	9	7

Is the weather in Crans-Montana typical for today?

How would you summarise the general climate in Crans-Montana?

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Use the internet to find a weather forecast for three mountain ranges.

What Did You Find Out?



Is today's weather typical of the climate in the mountain range you were given?

Climate is the average weather conditions for an area looking at weather patterns for up to 30 years!

How would you describe the climate of the UK?

Look at the data about each of the three mountain ranges – The Rocky Mountains, The Alps and The Himalayas.

What similarities (same) can you see between the areas?
What differences are there?



What Are the Risks of Being in the Mountains?



Why are mountain environments considered to be so dangerous?

What kinds of risks and disadvantages are there for people living in a mountainous environment?

- Low temperatures causing hypothermia
- Bad weather leaving you stranded or causing road accidents
- Bad weather causing power cuts
- Avalanches or landslides
- Altitude sickness
- Wild animals
- Poorer access to medical facilities, schools, etc.

How serious could each situation be?

Is it easy to manage or overcome?



What Are the Risks of Being in the Mountains?



Altitude sickness

Low temperatures causing hypothermia

Wild animals

Poorer access to medical facilities, schools, etc.

Avalanches or landslides

Bad weather causing power cuts

Bad weather leaving you stranded or causing road accidents

Aim



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