

Name: \_\_\_\_\_ Date: \_\_\_\_\_



Go on a Fact Hunt and see if you can find the answers to these questions about some extreme weather conditions on Earth.

1. What is the hottest temperature ever recorded on Earth?

2. What is the coldest temperature ever recorded on Earth?

3. Where is the coldest and windiest place on Earth?

4. Where has three months of constant daylight and four months of constant darkness?

5. Where is the wettest place on Earth and how much rain does it get?

6. Where is the driest place on Earth?

7. How much of the Earth's surface is covered in desert?

8. Why are the Arctic and Antarctic classed as deserts?

9. What type of climates have rainfall every day?

10. How many tornadoes on average does the USA have in a year?

11. On average, how thick are the ice sheets that cover Antarctica?

12. What is an avalanche?

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3. Where was the highest temperature ever recorded and what was it?

4. Where was the lowest temperature ever recorded and what was it?

5. Why is Antarctica uninhabited?

6. Where is the wettest place on Earth and how much rain does it get a year?

7. What happened in the Atacama Desert in Chile in 1971?

8. What is the definition of a desert?

9. How fast can avalanches move?

10. What happened in Peru in 1970?

11. How many tornadoes on average does the USA get a year?

12. Where in the world gets four months of constant darkness and why?

13. What is the climate in tropical rainforests like?

14. How often does it rain in a tropical rainforest?

15. How thick on average are the ice sheets that cover Antarctica?

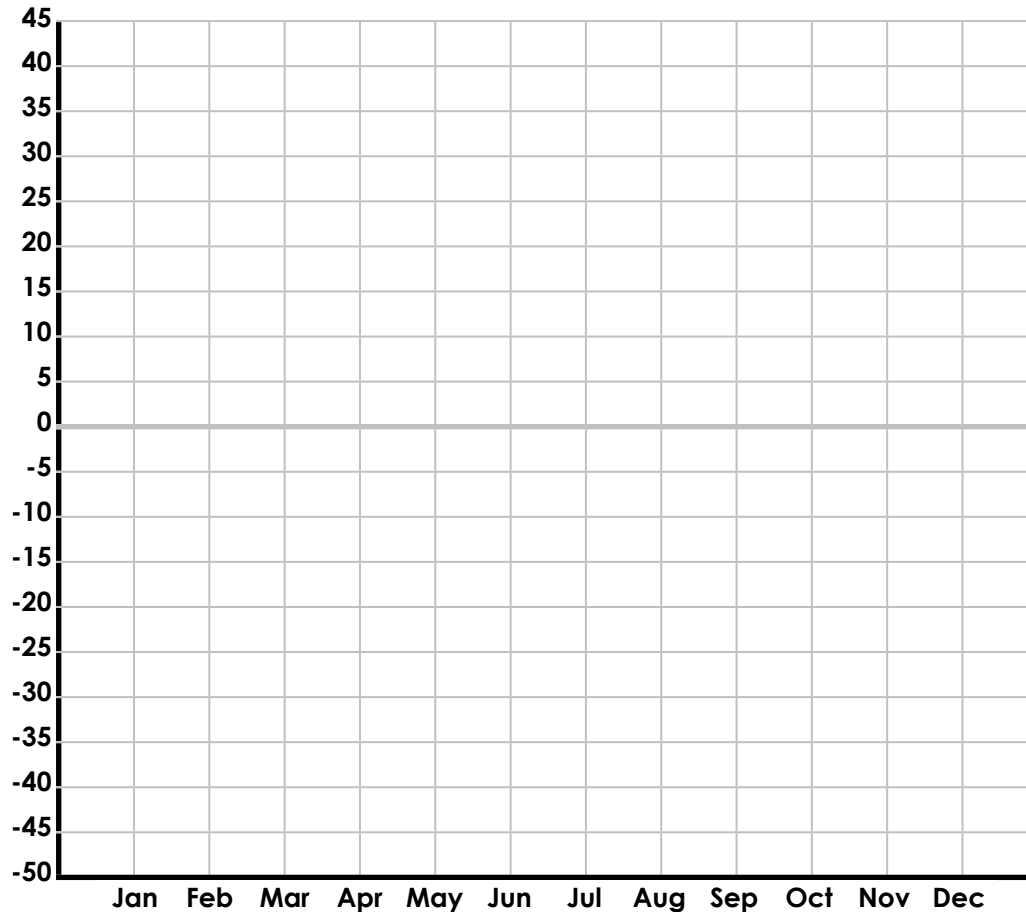
16. Why are the Arctic and Antarctic deserts?

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Annotate this world map with some of the facts you have found out about extreme weather and climate conditions around the world, such as the hottest and coldest places.



Name: \_\_\_\_\_ Date: \_\_\_\_\_



Oymyakon, Russia

Dallol, Ethiopia



Use the data on the Information Card to complete this line graph. You will need a line for each location and you will need to complete the **key** to show which is which. Include a **title** and **labels** for your vertical and horizontal axes.

1. Which month has the biggest difference in temperature between Oymyakon and Dallol?

2. Which month has the smallest difference in temperature between Oymyakon and Dallol?

3. In Oymyakon, what is the difference between the highest and lowest average temperatures?

4. In Dallol, what is the difference between the highest and lowest average temperatures?

5. What are the three coldest months in Oymyakon?

6. During which months in Oymyakon does the average temperature rise above freezing?

The hottest inhabited place in the world is Dallol in Ethiopia. It has an average annual temperature of **35°C**.

The coldest inhabited place in the world is Oymyakon in Russia. This village has an annual average temperature of **-16°C**.

The coldest temperature ever recorded on Earth was **-94.7°C** in Antarctica.

The hottest temperature ever recorded on Earth was **56.7°C** in Death Valley, California, USA.

The USA has an average of **1,253** tornadoes every year.

Svalbard, in the Arctic Circle, has four months of constant darkness in the winter, and three months of constant daylight in the summer. This is due to the way the Arctic circle is tilted away from the sun.

Deserts are areas of land that receive less than **25mm** of rain a year. Around **15%** of land on Earth is desert land.

The hottest places in the world are near the equator. The coldest places are the areas around the North and South Poles.

The Atacama Desert in Chile is the driest place on Earth. **1971** was the first year this desert had rain in over **400** years!

**The coldest and windiest place on Earth is Antarctica. It is so inhospitable that no one lives here permanently and it is the only uninhabited continent.**

**Avalanches are masses of snow, rock and ice that fall down a mountainside. Avalanches can move at up to 300kph (100mph).**

**The deadliest avalanche ever recorded was in Peru in 1970. 20,000 people lost their lives when an earthquake caused the avalanche.**

**The wettest place in the world is Mawsynram in India. On average, 11,873mm of rain fall here every year. That is the same as 32.5mm every day.**

**The hottest city in the world is Bangkok, Thailand. During the summer, the average temperature is 34°C with 90% humidity.**

**Humidity refers to the amount of water vapour in the air. Tropical forests around the equator tend to be the most humid places on Earth.**

**Tropical rainforests, such as the Amazon Rainforest, have rainfall nearly every day as well as high temperatures, making them hot and humid.**

**98% of the Antarctic is covered by thick sheets of ice which are on average around 2km thick.**

**Not all deserts are hot and sandy. The Antarctic and Arctic regions are deserts because they receive such little rainfall.**

## Extreme Temperatures

Dallol in Ethiopia is the hottest inhabited place on Earth. It is hot all year around. Temperatures never go below 23°C and frequently climb to highs of 45°C.

Oymyakon in Russia is the coldest inhabited place on Earth. Even in the middle of summer, temperatures have been known to go as low as -17°C although they can rise to around 30°C.

Use the data in these tables to plot a line graph then use your graph to answer the questions. Remember, this graph shows the average temperatures.

**Average daily temperature (°C) Dallol, Ethiopia**

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
35	36	36	36	35	36	36	36	36	36	35	35

**Average daily temperature (°C) Oymyakon, Russia**

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-46	-42	-31	-14	3	13	15	10	3	-15	-40	-48

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Go on a Fact Hunt and see if you can find the answers to these questions about some extreme weather conditions on Earth.

1. What is the hottest temperature ever recorded on Earth?

**56.7°C IN DEATH VALLEY, CALIFORNIA, USA**

2. What is the coldest temperature ever recorded on Earth?

**-94.7°C IN ANTARCTICA**

3. Where is the coldest and windiest place on Earth?

**ANTARCTICA**

4. Where has three months of constant daylight and four months of constant darkness?

**SVALBARD (IN THE ARCTIC CIRCLE)**

5. Where is the wettest place on Earth and how much rain does it get?

**MAWSYNRAM IN INDIA - 11,873mm OF RAINFALL PER YEAR**

6. Where is the driest place on Earth?

**ATACAMA DESERT IN CHILE**

7. How much of the Earth's surface is covered in desert?

**AROUND 15%**

8. Why are the Arctic and Antarctic classed as deserts?

**BECAUSE THEY RECEIVE SUCH LITTLE RAINFALL**

9. What type of climates have rainfall every day?

**TROPICAL CLIMATES**

10. How many tornadoes on average does the USA have in a year?

**1,253**

11. On average, how thick are the ice sheets that cover Antarctica?

**2km THICK ON AVERAGE**

12. What is an avalanche?

**AVALANCHES ARE MASSES OF SNOW, ROCK AND ICE THAT FALL DOWN A MOUNTAIN SIDE.**





Go on a Fact Hunt and see if you can find the answers to these questions about some extreme weather conditions on Earth.

1. Where is the hottest inhabited place on Earth?

**DALLOL IN ETHIOPIA**

2. Where is the coldest inhabited place on Earth?

**OYMYAKON IN RUSSIA**

3. Where was the highest temperature ever recorded and what was it?

**56.7°C IN DEATH VALLEY, CALIFORNIA, USA**

4. Where was the lowest temperature ever recorded and what was it?

**-94.7°C IN ANTARCTICA**

5. Why is Antarctica uninhabited?

**BECAUSE 98% OF ANTARCTICA IS COVERED IN THICK ICE SHEETS**

6. Where is the wettest place on Earth and how much rain does it get a year?

**MAWSYNRAM IN INDIA - 11, 873mm A YEAR ON AVERAGE**

7. What happened in the Atacama Desert in Chile in 1971?

**IT RAINED FOR THE FIRST TIME IN 400 YEARS!**

8. What is the definition of a desert?

**DESERTS ARE AREAS OF LAND THAT RECEIVE LESS THAN 25mm OF RAIN A YEAR**

9. How fast can avalanches move?

**UP TO 100mph (300kph)**

10. What happened in Peru in 1970?

**THE DEADLIEST AVALANCHE EVER RECORDED**

11. How many tornadoes on average does the USA get a year?

**1,253**

12. Where in the world gets four months of constant darkness and why?

**SVALBARD (IN THE ARCTIC CIRCLE)**

13. What is the climate in tropical rainforests like?

**HOT AND HUMID**

14. How often does it rain in a tropical rainforest?

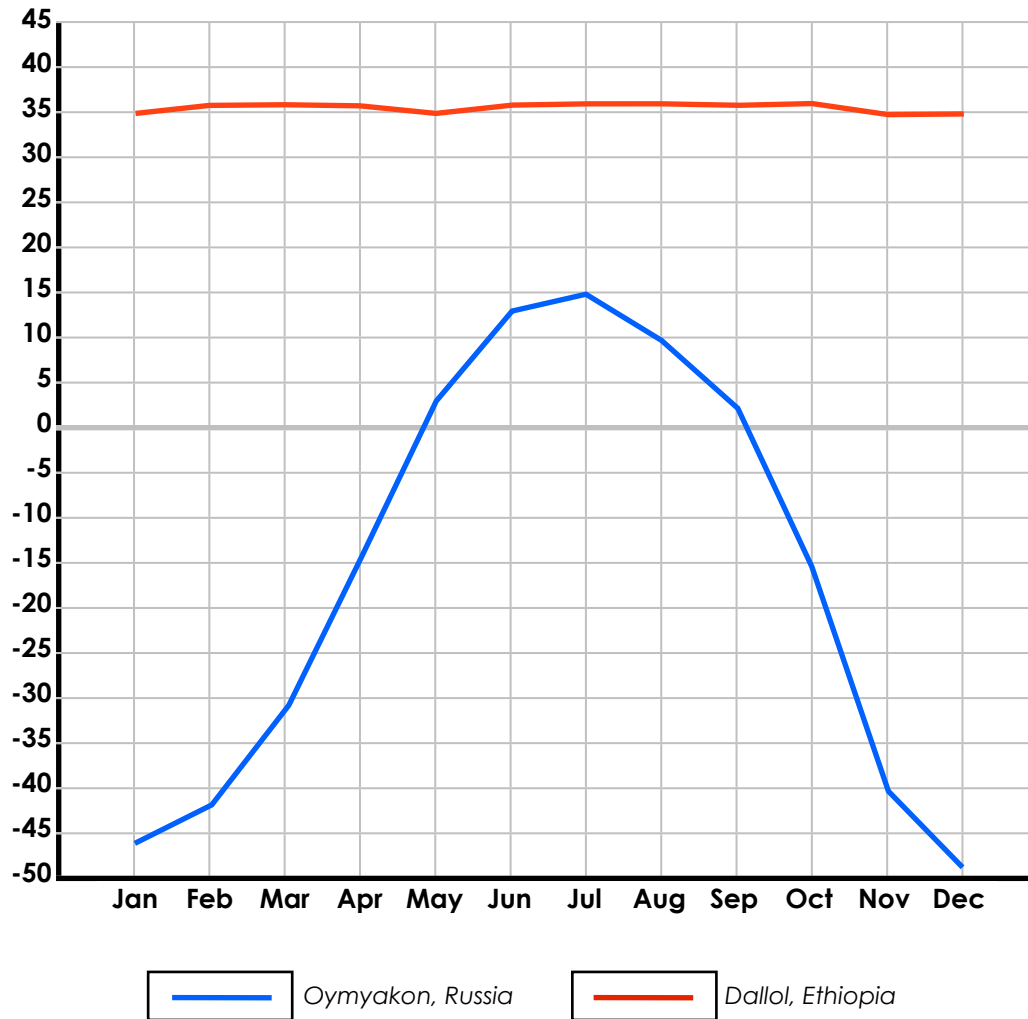
**NEARLY EVERY DAY**

15. How thick on average are the ice sheets that cover Antarctica?

**2km**

16. Why are the Arctic and Antarctic deserts?

**BECAUSE THEY RECEIVE SO LITTLE RAINFALL**



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1. Which month has the biggest difference in temperature between Oymyakon and Dallol?

**DECEMBER**

2. Which month has the smallest difference in temperature between Oymyakon and Dallol?

**JULY**

3. In Oymyakon, what is the difference between the highest and lowest average temperatures?

**63°C**

4. In Dallol, what is the difference between the highest and lowest average temperatures?

**1°C**

5. What are the three coldest months in Oymyakon?

**DECEMBER, JANUARY, FEBRUARY**

6. During which months in Oymyakon does the average temperature rise above freezing?

**MAY, JUNE, JULY, AUGUST, SEPTEMBER**