

Q1

Station 1

This key vocabulary term means “The general weather for a location over a very long period of time”-

- A) weather
- B) air pressure
- C) atmosphere
- D) climate

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Q2

Station 1

This is the layers of air around Earth. It’s where the weather happens-

- E) air pressure
- F) weather
- G) atmosphere
- H) climate

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Q3

Station 1

Which of the following is the daily conditions of the atmosphere in a specific location or time?

- J) weather
- K) atmosphere
- L) climate
- M) air pressure

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Q4

Station 1

Which vocabulary term is the force or weight of the air?

- N) climate
- O) air pressure
- P) weather
- Q) atmosphere

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Q1

Station 2

Windy, sunny, rainy, and hot are words that help describe-

- A) condensation
- B) weather
- C) matter
- D) ocean

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Q2

Station 2

The table below shows averages of temperature and precipitation for the past 20 years in an area in the United States. Which of the following would this data be most useful in understanding?

- A) showing the effect of weather on climate
- B) understanding the climate of an area
- C) demonstrating the difference between weather and climate
- D) predicting the day-to-day changes in weather

Months	Average Temperature (F)	Average Precipitation (in.)
January	57°	3.6
February	61°	3.9
March	67°	5.1

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Station 2

Which information is contained on this map of the United States?

- A) climate conditions
- B) exact temperatures
- C) weather conditions
- D) locations of hurricanes



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Station 2

Which best describes a hurricane?

- A) a high-pressure system
- B) a low-pressure system
- C) a cold front
- D) climate

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Q1

Station 3

Which will most likely result from a low-pressure weather system?

- A) cool temperatures
- B) warm temperatures
- C) cloudy conditions
- D) clear conditions

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Station 3

The weather forecast indicates that a high-pressure system will be moving into the area in the next 24 hours. Which type of weather will most likely be the result?

- A) stormy
- B) freezing
- C) cloudy
- D) clear

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Q3

Station 3

Which of these best describes climate rather than weather?

- A) Wind direction changing as a storm moves through the area.
- B) The temperature is increasing during a warm front.
- C) The rainfall for one month was greater than the previous month.
- D) Annual low temperatures during the winter have increased the last 20 years.

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Q4

Station 3

Each school year for 30 years, the amount of rain that fell at a school was measured and recorded. Tracking rainfall over a long period provides the most information about which characteristic of an area?

- A) climate
- B) weather
- C) amount of precipitation in one day
- D) erosion

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Q1

Station 4

Which of the following is an example of weather rather than climate?

- A) May is usually the rainiest month in Austin, TX.
- B) The average low temperature in Great Britain is 7° during the winter.
- C) Madison, WI received 2 inches of snow yesterday.
- D) Southeast Asia experiences most of its precipitation from April to September.

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Q2

Station 4

What are the two main weather characteristics that scientists use to determine the climate of a location?

- E) precipitation and temperature
- F) precipitation and humidity
- G) temperature and air pressure
- H) temperature and wind speed

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Q3

Station 4

Why are tropical climates near the equator so hot year-round?

- A) Because there are more hours of daylight near the equator
- B) Because they receive more direct sunlight than other areas
- C) Because they receive a lot of rain
- D) Because there is not much plant life in these areas

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Q4

Station 4

Which of the following is a description of climate data?

- E) In 1994, there was a tornado in Iowa.
- F) Chicago, IL had a record low temperature last week.
- G) Wind is currently from the north in Philadelphia, PA.
- H) Northern Canada is typically very cold.

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Q1

Station 5

Why does it tend to be cold at the Earth's poles?

- A) They are furthest from the sun.
- B) They have little to no humidity.
- C) Sunlight strikes them at extreme angles.
- D) They have high air pressure.

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Q2

Station 5

Which of the following is a description of climate?

- E) Summers are usually mild in Minneapolis, Minnesota.
- F) Today is hot and humid in Houston, Texas.
- G) Last weekend was cold and rainy in Seattle, Washington.
- H) Last week it snowed every day in Toronto, Canada.

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Q3

Station 5

Scientists studying climate collect data that is slightly different from the data collected by those interested in weather. What is different about the data collected about climate? Climate data –

- J) focuses on conditions only near the ground.
- K) refers to longer times and wider areas than weather data.
- L) does not consider temperature.
- M) has no relation to weather.

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Q4

Station 5

Which of the following is a description of weather?

- P) The average yearly rainfall in Jackson, Mississippi is 54 inches.
- Q) May is usually the rainiest month of the year in Austin, TX.
- R) Tyler sees snow every year when he goes to Denver, CO to ski.
- S) The wind is coming out of the southwest.

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