

Lesson Check: Climates of Earth

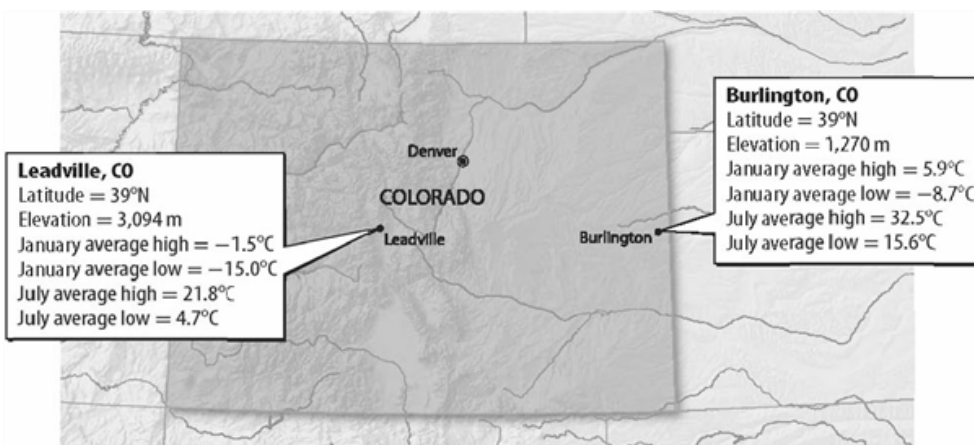
1) The weather of a region describes the region's average temperature and precipitation over a long period of time.

- True
- False

2) Which of these is NOT an influence on climate?

- A) large bodies of water
- B) large cities
- C) ocean currents
- D) weather

3) Look at the figure. Considering the information given regarding Leadville and Burlington, why is it colder in Leadville?



- A) Leadville is farther west.
- B) Burlington has a lower latitude.
- C) Leadville has a higher elevation.
- D) Burlington has a greater difference between its average high and low.

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4) Which of the following does NOT affect the climate of an area?

- A) latitude
- B) altitude
- C) longitude
- D) being in a city rather than in a rural area

5) At the same latitude, the climate is _____ in the mountains than on flat land.

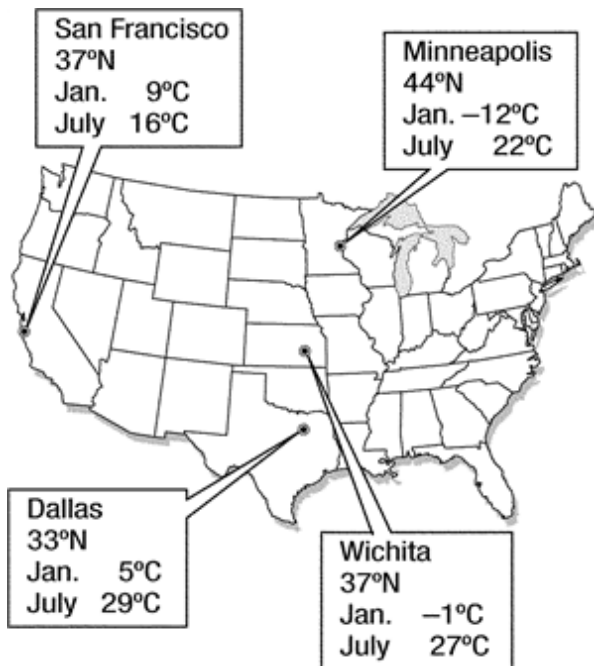
6) How are weather and climate related?

7) A climate classification system divides regions according to _____.

- A) temperature
- B) the amount of precipitation
- C) vegetation
- D) all of the above

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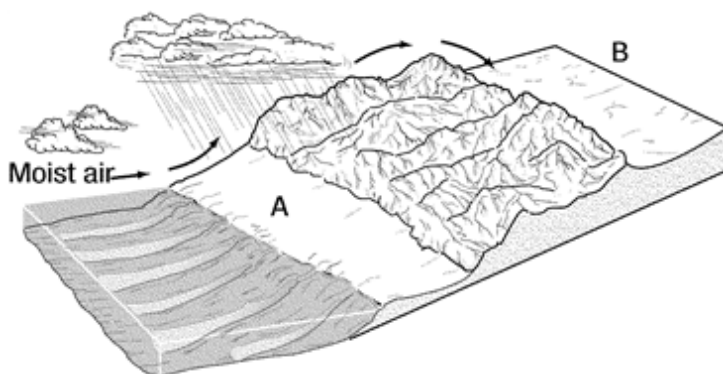
8) Use the map below to answer the following questions.



Which statement is supported by evidence from the map?

- A) The further north a city is, the milder its climate.
- B) The altitude of a city has an effect on its temperature.
- C) Larger cities have colder climates than smaller cities.
- D) Oceans have an effect on the climate in coastal cities.

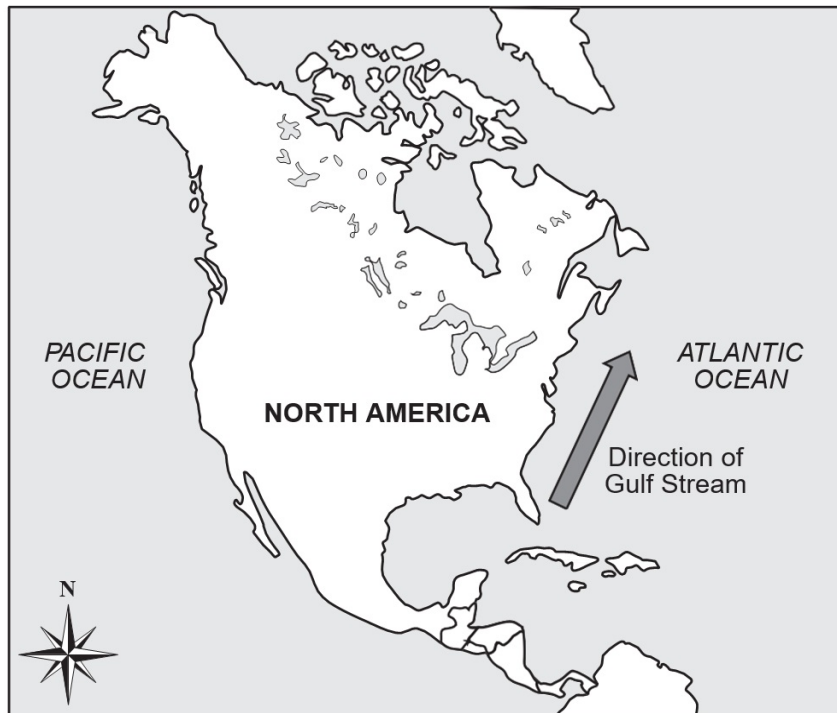
9) Use the diagram below to answer the following questions.



On the side of the mountain facing the wind, air rises, _____, and drops its moisture as precipitation.

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- 10)** The diagram shows part of the Gulf Stream, a warm water current that flows northward along the eastern coast of North America.



Describe how the picture can be changed to show how the Gulf Stream forms due to the uneven heating of Earth. Your description should include the Sun's role in this process.

Student Name: _____

Date: _____

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