



Name \_\_\_\_\_

**Vocabulary Review**

Use the terms in the box to complete the sentences.

precipitation  
evaporation

1. The climate of a particular place is determined by temperature and \_\_\_\_\_.
2. Oceans receive freshwater from rain and rivers, but ocean levels do not change much because of constant \_\_\_\_\_ of water from the ocean's surface.

**Science Concepts**

Fill in the letter of the choice that best answers the question.

3. Deanna measured the temperature and humidity every afternoon for four days. She recorded the results in the table below.

Day	Temperature	Relative humidity (%)
Monday	28 °C (82 °F)	90
Tuesday	27 °C (81 °F)	79
Wednesday	24 °C (75 °F)	70
Thursday	28 °C (82 °F)	69

Which day could Deanna conclude was the most hot and humid?

- (A) Monday                      (C) Tuesday  
(B) Wednesday                (D) Thursday

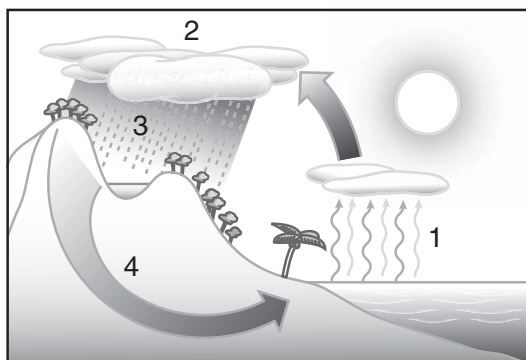
4. Kendell wants to determine if there is a trend in air temperature changes during April. Which of the following procedures should he follow?  
(F) Measure the temperature every hour for 1 day.  
(G) Measure the temperature at noon every day in April.  
(H) Measure the temperature at the same time each Monday.  
(I) Measure the temperature on the first and last day of April.
5. Most of the clouds in a photograph of a mountain scene are cirrus clouds. Where do cirrus clouds form?  
(A) around mountains  
(B) at high elevations  
(C) near the ground  
(D) over the oceans

6. The table below describes some weather conditions at two different weather stations.

	Station 1	Station 2
Temperature	10 °C (50 °F)	20 °C (68 °F)
Precipitation	3 cm	2 cm
Wind	3 km/hr west	8 km/hr east
Cloud cover	overcast	mostly cloudy

Which statement is correct?

- (F) Station 1 is experiencing more rain than station 2.
- (G) Both stations are experiencing freezing conditions.
- (H) Station 1 is experiencing stronger winds than station 2.
- (I) Both stations have wind traveling in the same direction.
7. The diagram below shows the water cycle.

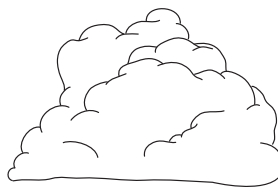


At which point does precipitation happen?

- (A) 1                      (C) 3
- (B) 2                      (D) 4

8. Which of the following is a cumulus cloud?

(F)



(G)



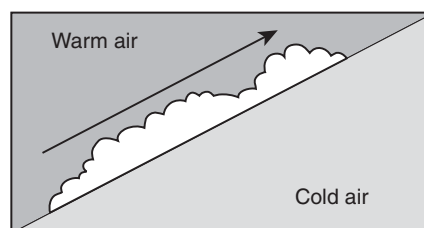
(H)



(I)



9. The following diagram shows a location where two air masses meet.

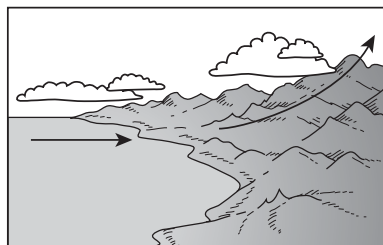


What is the weather like at this type of front?

- (A) cloudy and rainy
- (B) clear and cold
- (C) clear and warm
- (D) windy and cold

Name \_\_\_\_\_

10. The following diagram shows the pattern of air movement in a coastal area.



Which type of wind is illustrated in the diagram?

- (F) valley breeze      (H) land breeze  
(G) sea breeze      (I) mountain breeze
11. Where in a tropical climate are you most likely to find cooler weather and snow?
- (A) at the top of a tall mountain  
(B) at sea level near a cold ocean current  
(C) in cloudy places near the center of the continent  
(D) at the base of a mountain range that blocks air flow
12. Scientists study many factors that allow them to predict weather. Which factor **most directly** affects the movement of air?
- (F) air pressure      (H) precipitation  
(G) relative humidity      (I) temperature

13. Darnell read that the central part of Argentina has a climate that is very similar to that of the central part of the United States.



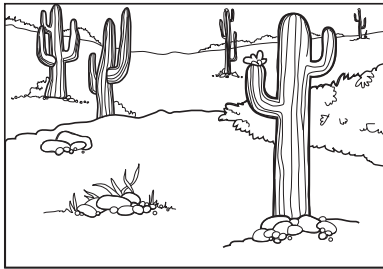
What information on the map provides the best explanation for the climates' similarities?

- (A) Both countries are located to the east of the Pacific Ocean.  
(B) There are large mountains in the western parts of both countries.  
(C) The central parts of both countries are about the same distance from the equator.  
(D) Both countries are very large compared to many of the countries in the Americas.

## Apply Inquiry and Review the Big Idea

Write the answers to these questions.

14. Jamie sketched the following picture of the landscape he saw while he was on vacation. It included cacti and barren rock.



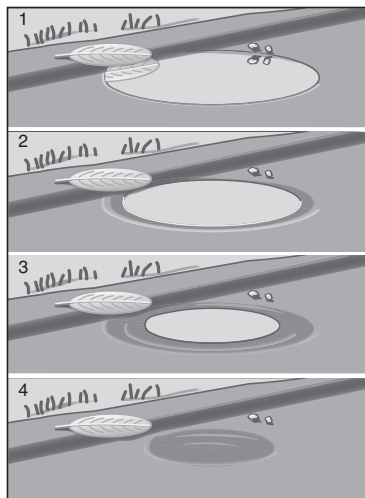
What can you conclude about what kinds of plants can grow in this climate? Explain how you know.

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15. The figure below shows how a puddle changes during the day.



Make a claim about the process that is taking place. Support your claim with evidence.

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