



## Wind, Climate, and Natural Environments

### CHAPTER REVIEW ACTIVITIES

**Section 1** • Indicate whether each statement below is true or false by writing *T* or *F* in the space provided.

- \_\_\_\_\_ 1. Only three of the planets in our solar system receive energy from the Sun.
- \_\_\_\_\_ 2. It is summer in the Northern Hemisphere when the direct rays of the Sun strike Earth at the Tropic of Cancer.
- \_\_\_\_\_ 3. From year to year, temperatures in any one place usually stay about the same.
- \_\_\_\_\_ 4. The process by which the atmosphere traps heat is known as the hothouse effect.
- \_\_\_\_\_ 5. The term *air pressure* refers to the weight of the air.
- \_\_\_\_\_ 6. Air is a mixture of liquid and gases.
- \_\_\_\_\_ 7. An instrument called a weather vane measures air pressure.
- \_\_\_\_\_ 8. Wind results when air is warmed, becomes lighter and rises, and then is replaced by colder air.
- \_\_\_\_\_ 9. The air pressure along the equator is low because the Sun is always warming this area.
- \_\_\_\_\_ 10. When a large amount of warm air meets a large amount of cold air, an area of unstable weather, called a front, forms.
- \_\_\_\_\_ 11. The most common winds in the United States are the doldrums, which blow from the west in the middle latitudes.
- \_\_\_\_\_ 12. The Gulf Stream, an ocean current, moves warm water north along the east coast of the United States and across the Atlantic Ocean to western Europe.

**Section 2** • Fill in the blank with the correct word or phrase.

1. \_\_\_\_\_ is the condition of the atmosphere in a local area for a short period of time.
2. Moisture that falls to Earth in any form is known as \_\_\_\_\_.
3. People who live in a(n) \_\_\_\_\_ climate do not see a season change from summer to winter because the Sun heats the region all year round.
4. Few plants can survive in the \_\_\_\_\_ climate so there are many barren, rocky, or sandy areas.



5. The \_\_\_\_\_ latitudes are the two broad zones between Earth's polar circles and the tropics.
6. The \_\_\_\_\_ climate is named after the \_\_\_\_\_ region.
7. One example of the \_\_\_\_\_ climate is the southeastern United States.
8. \_\_\_\_\_ forests can grow in the marine west coast climate because it provides adequate and regular rainfall.
9. The layer of soil that remains frozen all year long in a tundra climate is known as \_\_\_\_\_.
10. The \_\_\_\_\_ climate found in the polar regions of Earth produces temperatures that are always on average below freezing.

**Section 3 • Match each term in the right column with its description in the left column. Write the letter of the correct term in the space provided.**

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| _____ 1. Term used to describe a type of plant or animal that has died out completely                    | a. nutrients         |
| _____ 2. Study of the connections among different forms of life  | b. ecosystem         |
| _____ 3. Process by which plants convert sunlight into chemical energy                                   | c. extinct           |
| _____ 4. Substances that promote growth  | d. plant succession  |
| _____ 5. Term that refers to groups of plants that live in the same area                                 | e. ecology           |
| _____ 6. All of the plants and animals in an area together with the nonliving parts of their environment | f. humus             |
| _____ 7. Gradual process by which one group of plants replaces another group of plants                   | g. plant communities |
| _____ 8. Type of soil described as fertile because it contains decayed plant and animal matter           | h. photosynthesis    |