

CHAPTER REVIEW

Chapter 2

Severe Weather

I. Vocabulary Review

In the blank, write the word or phrase that best completes the sentence.

1. A method of heat transfer between objects in contact is _____.
2. The process of changing a liquid to a gas is _____.
3. Water in a beaker heated from below and air above a campfire are examples of _____.
4. A large quantity of air that has similar characteristics throughout is called a(n) _____.
5. A tropical _____ is a tropical air mass of low atmospheric pressure.

II. Concept Review

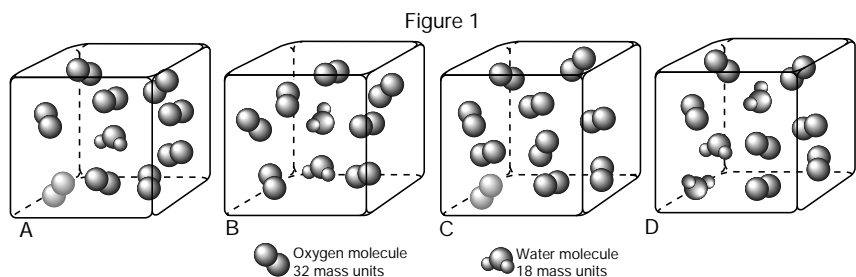
If the underscored word or phrase makes the sentence true, write "TRUE" in the space provided. If the underscored word or phrase makes the sentence false, write the correct word or phrase in the space provided.

- _____ 6. Heating one part of a fluid more than the rest of it will start a convection cycle.
- _____ 7. Lightning is the visible electrical emission from a charged cloud.
- _____ 8. Global winds blow directly north and south.
- _____ 9. In the northern hemisphere, a ball "tossed" 100 miles to the south will appear to turn to the right.
- _____ 10. When moist air rises, it expands; when dry air rises, it contracts.
- _____ 11. When air expands, the molecules give up energy to move away from each other.

Answer the following questions in the spaces provided.

12. Sequence the air masses in Figure 1 in order of density with 1 indicating most dense and 4 least dense.

- A. _____
- B. _____
- C. _____
- D. _____



Chapter Review 2 (continued)

13. What is the energy source for hurricanes? _____

14. How does a blocking high affect a hurricane? _____

15. Why doesn't the region near the equator grow hotter and hotter? _____

16. Why is all air movement downward in the last stage of a thunderstorm? _____

III. Skills/Process Review

Answer the following questions in complete sentences.

17. Why is it particularly dangerous for a golfer to swing a metal golf club during a thunderstorm?

18. Explain why spray paint shooting out of an aerosol can causes the can to feel cool. _____

19. Compare the cumulus and mature stages of a thunderstorm. _____

IV. Feature Review

20. **In-Depth Look: Sudden Desert Downpours.** Explain how a plant or animal adapts to the flash floods of the desert. _____
