

CHAPTER REVIEW

Chapter 3

The Effects of Storms

I. Vocabulary Review

Match each item in Column I with the most appropriate item in Column II. Write the letter for that item in the blank at the left.

| Column I | Column II |
|---|----------------|
| _____ 1. action taken as a devastating storm approaches | a. gust |
| _____ 2. unusually high rise in the level of the ocean during a hurricane | b. evacuation |
| _____ 3. concentration of salt in the environment | c. storm surge |
| _____ 4. sudden increase in wind velocity | d. salinity |

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 term or phrase in the space provided.

- _____ 5. Hurricanes redistribute heat from tropical oceans over land.
- _____ 6. Storms help even out the temperature of Earth's atmosphere.
- _____ 7. Hurricanes can spawn tornadoes when they hit land.
- _____ 8. A storm surge is the result of hurricane winds and high pressure.
- _____ 9. Gusty winds distinguish a hurricane from a thunderstorm.

II. Concept Review

Answer the following questions in phrases or complete sentences.

10. Water damage from a hurricane is often more destructive than wind damage. Why? _____

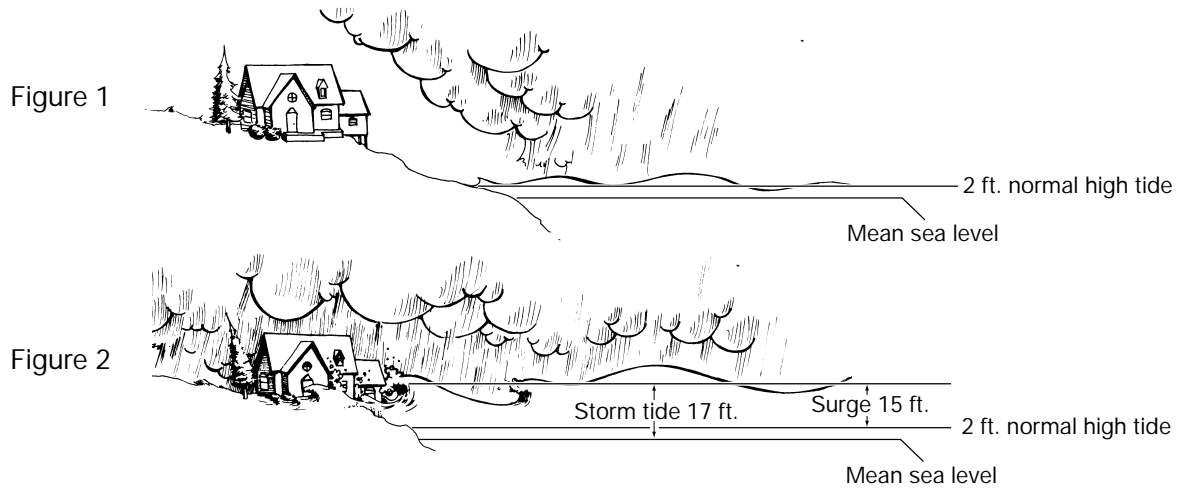
11. How can people prepare for hurricanes? _____

12. Explain the relationship between an increase in the speed of moving air or water and the force the wind or water exerts. _____
13. Explain why hurricanes eventually die over land. _____

Chapter Review 3 (continued)

14. How do storms damage marine ecosystems? _____

III. Skills/Process Review



Answer the following questions in phrases or complete sentences.

15. Describe the conditions illustrated in Figure 1. _____

16. Describe the conditions in Figure 2. _____

17. What is the effect of the storm surge on beachfront property? _____

18. What is the effect of the storm surge reaching land during high tide? _____

19. What causes property damage in situations such as the one depicted in Figure 2? _____

IV. Feature Review

20. **Science and Society: A Burning Question** Explain the advantages of allowing forest fires to burn themselves out. _____