

# Climate and Vegetation

## Part 1: Main Ideas (4 points each)

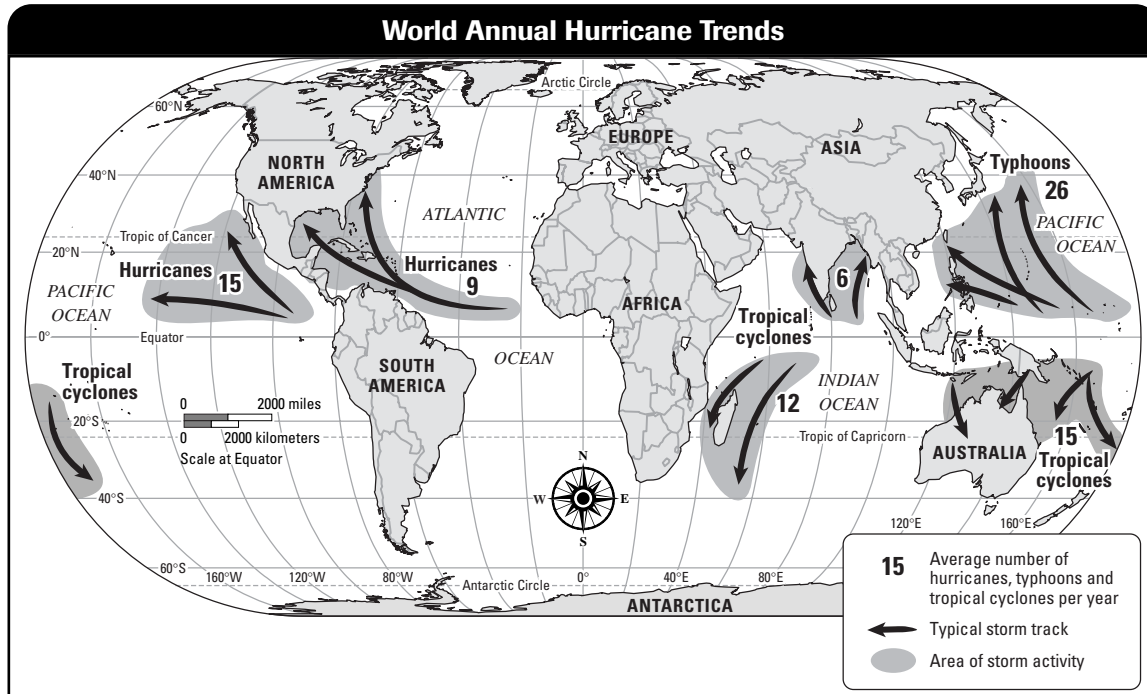
In the spaces provided, write the letter of the term that best answers each question.

- |                |               |
|----------------|---------------|
| a. rain shadow | f. tundra     |
| b. hurricane   | g. biome      |
| c. tornado     | h. deciduous  |
| d. chaparral   | i. coniferous |
| e. climate     | j. savanna    |

- \_\_\_\_\_ 1. What is a regional ecosystem called?
- \_\_\_\_\_ 2. What type of extreme weather results from air moving across warm ocean waters?
- \_\_\_\_\_ 3. What is another name for trees that have broad leaves?
- \_\_\_\_\_ 4. What term identifies a flat, treeless area, such as that forming a ring around the Arctic Ocean?
- \_\_\_\_\_ 5. What term identifies a dry, desert region containing drought-resistant vegetation?
- \_\_\_\_\_ 6. What deadly form of weather contains a funnel-shaped column of spiraling air?
- \_\_\_\_\_ 7. What term is used to identify the land on the side of a mountain or hill that receives little precipitation due to the lack of moist air?
- \_\_\_\_\_ 8. What is another name for needleleaf trees?
- \_\_\_\_\_ 9. What term is used to identify weather conditions at a particular location over a long period of time?
- \_\_\_\_\_ 10. What is a prairie grassland in the tropical region called?

**Part 2: Map Skills** (4 points each)

Use the map to answer the questions that follow. Write the letter of the best answer in the space provided.



- \_\_\_\_\_ 11. On average, how many hurricanes strike the eastern coast of the United States each year?
- a. 16                      c. 26  
b. 9                         d. 5
- \_\_\_\_\_ 12. According to the map, over what body of water do most hurricanes, cyclones, and typhoons develop?
- a. Atlantic Ocean  
b. Indian Ocean  
c. Arctic Ocean  
d. Pacific Ocean
- \_\_\_\_\_ 13. Which of the following continents is LEAST likely to be struck by a hurricane?
- a. North America  
b. Asia  
c. Australia  
d. Europe

- \_\_\_\_\_ 14. On average, which continent is struck by hurricanes, cyclones, or typhoons the most times per year?
- a. North America  
b. Asia  
c. Africa  
d. South America
- \_\_\_\_\_ 15. According to the map, what generalization is true about the cyclones that typically strike Australia?
- a. Most of them strike the northern coast of Australia.  
b. Most of them strike the southern coast of Australia.  
c. Most of them strike from the west.  
d. They are less abundant than the hurricanes that typically strike North America each year.

**Part 3: Interpreting Charts** (4 points each)

Use the chart to answer the questions that follow. Write the letter of the best answer in the space provided.

Deadliest U.S. Tornadoes					
Date	Location(s)	Deaths	Date	Location(s)	Deaths
March 18, 1925	Tri-State (Mo., Ill., Ind.)	689	June 23, 1944	Shinnston, W. Va.	100
May 6, 1840	Natchez, Miss.	317	April 18, 1880	Marshfield, Mo.	99
May 27, 1896	St. Louis, Mo.	255	June 1, 1903	Gainesville, Holland, Ga.	98
April 5, 1936	Tupelo, Miss.	216	May 9, 1927	Poplar Bluff, Mo.	98
April 6, 1936	Gainesville, Ga.	203	May 10, 1905	Snyder, Okla.	97
April 9, 1947	Woodward, Okla.	181	April 24, 1908	Natchez, Miss.	91
April 24, 1908	Amite, La.; Purvis, Miss.	143	June 9, 1953	Worcester, Mass.	90
June 12, 1899	New Richmond, Wis.	117	April 20, 1920	Starkville, Miss.; Waco, Ala.	88
June 8, 1953	Flint, Mich.	115	June 28, 1924	Lorain, Sandusky, Ohio	85
May 11, 1953	Waco, Tex.	114	May 25, 1955	Udall, Kans.	80
May 18, 1902	Goliad, Tex.	114	Sept. 29, 1927	St. Louis, Mo.	79
March 23, 1913	Omaha, Neb.	103	March 27, 1890	Louisville, Ky.	76
May 26, 1917	Mattoon, Ill.	101			

SOURCE: www.infoplease.com

- \_\_\_\_\_ 16. In what year did the deadliest tornado strike the United States?
- 1840
  - 1925
  - 1926
  - 1890
- \_\_\_\_\_ 17. How many of the top 25 deadliest tornadoes have hit Mississippi?
- one
  - two
  - four
  - five
- \_\_\_\_\_ 18. What do the two tornadoes that hit Texas have in common?
- Both struck the city of Waco.
  - Both struck in 1902.
  - Both killed 114 people.
  - Both killed 98 people.
- \_\_\_\_\_ 19. What is true about the tornadoes that hit Tupelo, Mississippi, and Gainesville, Georgia, in 1936?
- Both killed 255 people.
  - Both killed 203 people.
  - Both hit on April 5, 1936.
  - They hit within one day of each other.
- \_\_\_\_\_ 20. How many of the 25 deadliest tornadoes struck in 1953?
- two
  - three
  - four
  - five

**Part 4: Extended Response** (10 points each)

For each of the following questions, write a one-paragraph answer on the lines provided. If you need more space to write, use your own paper.

**21. Determining Cause and Effect** What factors affect a region’s climate and therefore its ability to support and sustain life?

**Think about:**

- seasons
- location
- heat and water

---

---

---

---

---

---

---

**22. Making Comparisons** What is the difference between weather and climate? Use specific examples of each to support your explanation.

**Think about:**

- short-term and long-term conditions
- weather changes and climate changes
- climate regions

---

---

---

---

---

---

---