

# DR 17-1

## Section: What Is Climate?

### CLIMATE VS. WEATHER

- \_\_\_\_\_ 1. Weather conditions include
- a. temperature and precipitation.
  - b. cloud shapes.
  - c. the time the sun rises.
  - d. the color of the sky.
2. The average weather condition in an area over a long period of time is \_\_\_\_\_.
3. What are the two main factors in climate?

---

---

### LATITUDE

4. What does latitude measure?
- \_\_\_\_\_
- \_\_\_\_\_
5. Explain how latitude affects the temperatures at the poles.
- \_\_\_\_\_
- \_\_\_\_\_
6. During June and July, why is it summer in the Northern Hemisphere and winter in the Southern Hemisphere?

---

---

---

### PREVAILING WINDS

7. Winds that blow mainly from one direction are \_\_\_\_\_.
8. When warm air rises, it \_\_\_\_\_. This causes it to lose the ability to hold water, creating \_\_\_\_\_.

**Directed Reading A *continued***

---

9. Winds that travel across large bodies of water tend to be \_\_\_\_\_, while those that travel across land tend to be \_\_\_\_\_.
10. What may cause a land region to be dry even though it is near the ocean?

---

---

---

**MOUNTAINS**

11. The height of landforms, such as mountains, above sea level is called \_\_\_\_\_.
12. Why is the temperature at the top of a mountain cooler than that at the bottom of the mountain?
13. Explain why the land on the windward side of a mountain range is usually green and lush while the other side is usually drier.

---

---

---

---

---

---

---

**Directed Reading A *continued***

**LARGE BODIES OF WATER**

14. Why do areas near large bodies of water rarely have sudden or extreme temperature changes?

---

---

---

---

**OCEAN CURRENTS**

15. Stream like movements of water at or near the surface of the ocean are called \_\_\_\_\_

16. Why does southern Iceland have milder temperatures than Greenland, its neighbor?

---

---

---

---

**CLIMATES OF THE WORLD**

- \_\_\_\_\_ 17. The temperature range of each major climate zone relates to its

- a. precipitation.
- b. latitude.
- c. biomes.
- d. plants and animals.

18. A large region characterized by a specific type of climate and certain types of plant and animal communities is called a(n) \_\_\_\_\_.

19. Why are there several types of climates within each of the three major climate zones?

---

---

---

---