

**Chapter 21 Climate**

**Section 21.2 World Climates**

*This section discusses the Köppen climate classification system and the various types of climates in the world.*

**Reading Strategy**

**Outlining** As you read, complete the outline for each climate type discussed in this section. Include temperature and precipitation information for each climate type, as well as at least one location with that climate type. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

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| <p>I. World Climates</p> <p style="margin-left: 20px;">A. Humid Tropical</p> <p style="margin-left: 40px;">1. Wet tropics</p> <p style="margin-left: 40px;">2. _____</p> <p style="margin-left: 20px;">B. Humid mid-latitude</p> <p style="margin-left: 40px;">1. _____</p> <p style="margin-left: 40px;">2. _____</p> <p style="margin-left: 20px;">C. Dry</p> <p style="margin-left: 40px;">1. _____</p> <p style="margin-left: 40px;">2. _____</p> |
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**The Köppen Climate Classification System**

1. 🗑️ The Köppen climate classification system uses \_\_\_\_\_ and annual values of \_\_\_\_\_ and precipitation to classify climates.
2. Circle the letter of the climate that is NOT one of the principal groups in the Köppen system.
 

|                       |        |
|-----------------------|--------|
| a. humid tropical     | b. dry |
| c. humid mid-latitude | d. wet |

**Humid Tropical Climates**

3. 🗑️ Humid tropical climates are climates without \_\_\_\_\_.
4. What are the characteristics of a wet tropical climate? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
5. Is the following sentence true or false? Tropical wet and dry climates have temperatures and total precipitation similar to those in the wet tropics, but experience distinct periods of low precipitation. \_\_\_\_\_

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**Humid Mid-Latitude Climates**

6. Describe mild and severe winters in the humid mid-latitude climates.

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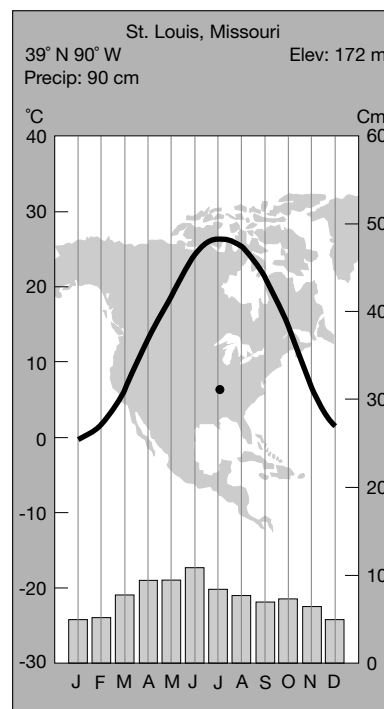
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7. Circle the letters of the three types of climates that are classified as humid mid-latitude with mild winters.

- a. humid subtropical      b. subarctic  
 c. marine west coast      d. dry-summer subtropical

8. Use the climate diagram for St. Louis, Missouri, on the right to answer the following questions.

- a. During which month does the highest temperature occur? What is the highest temperature? \_\_\_\_\_  
 b. During which month does the lowest temperature occur? What is the lowest temperature? \_\_\_\_\_



**Dry Climates**

9. Describe a dry climate and list the two types.

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**Polar Climates**

10. Is the following sentence true or false? Polar climates are those in which the mean temperature of the warmest month is above 10°C. \_\_\_\_\_

11. Circle the letters of the two types of polar climates.

- a. humid subtropical      b. tundra  
 c. Antarctic      d. ice cap

**Highland Climates**

12. Describe highland climates. \_\_\_\_\_

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