Terrestrial Biomes

Use with Chapter 3, Section 3.2

Annual average temperature (°C)

Annual precipitation (cm)

Tundra
Taiga
Woodland
Grassland
Shrubland
Desert
Thorn forest
Savanna
Thorn scrub
Tropical seasonal forest
Tropical rain forest
Temperate forest
Temperate rain forest

UNIT 2

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1. The transparency shows two abiotic factors that influence the kind of climax community that will develop in a particular part of the world—average temperature and annual precipitation. Predict which climax community would result in an area that has an annual precipitation of 50 cm and an annual average temperature of -10°C.

2. Which climax community would result in an area that has an annual precipitation of 250 cm and an annual average temperature of 10°C?

3. Which climax communities can be found at different points within the following range of temperatures and precipitation: 10 cm to 200 cm annual precipitation and 5°C to 15°C annual average temperature?

4. Which climax communities require an average annual temperature of 20°C to 30°C?

5. Which climax community is a little warmer and wetter than the tundra? What is its approximate range of annual average temperature and annual precipitation?

6. Which climax community can exist within the broadest range of temperature?

7. Which climax community do you think would be found at an area near the equator that gets a lot of rain?

8. Which climax community would you expect to find in an area that has an annual average temperature of about 5°C and a little less rainfall than would be needed to support a forest?