Name _____ Date _____ Period _____

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Terrestrial Biomes

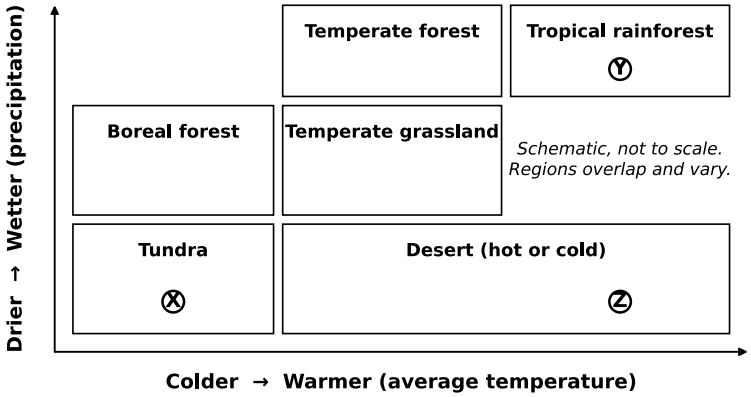
Biology

Answer in complete sentences where asked. Show your work for calculations and use the data as evidence.

1. Name the biome that fits each description. Choose from: tundra, temperate grassland, tropical rainforest, desert.

Description	Biome
(a) Cold all year, very few trees, frozen soil below the surface	
(b) Warm and wet all year, tall trees, very many species	
(c) Distinct seasons, many grasses, few trees, shaped by fire and grazing	

2. The grid shows where three sites (X, Y, and Z) fall for temperature and precipitation.

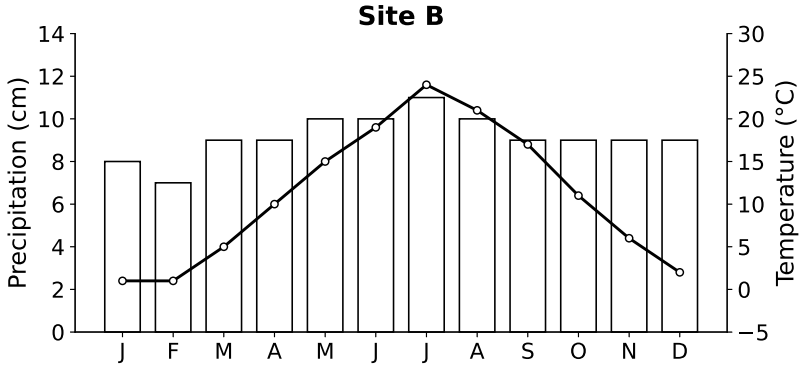


(a) Name the biome that best fits each site: X, Y, and Z.

(b) Site Y's average temperature stays the same, but its precipitation falls a great deal. Which of the three sites would its climate now be most like? Explain.

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3. Climograph for Site B (sample data). Bars: precipitation. Line: temperature.



Sample data. Bars: precipitation. Line: temperature.

(a) Find the average yearly temperature. Show your setup.

(b) Find the yearly precipitation. Show your setup.

(c) Use the biome cards to name the best-fit biome. Write a claim, evidence, and reasoning.

4. In a tropical rainforest, the trees are tall and the forest is dense, yet the soil often holds few nutrients.

(a) Explain how a rainforest can grow so much while its soil is nutrient-poor. Include decomposition in your answer.

(b) Name one adaptation of a desert plant and explain how it helps the plant survive.

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