Chapter Test C

1. A
2. C
3. A
4. B
5. D
6. D
7. C
8. A
9. B
10. B
11. C
12. D
13. A
14. Milankovitch theory
15. asteroid
16. Pangaea
17. solar maximum
18. B
19. C
20. A

Standardized Test Preparation

READING

Passage 1

1. C
2. G
3. C

Passage 2

1. C
2. F
3. A

INTERPRETING GRAPHICS

1. C
2. H
3. A

MATH

1. D
2. H
3. A
4. H
5. C

Vocabulary Activity

Day One: weather, ice age, climate

Day Two: biome, latitude, tropical zone, elevation, microclimate, polar zone, temperate zone

Day Three: global warming, greenhouse effect, prevailing winds, surface current

SciLinks Activity

1. on the Pacific Coast of North America from Oregon to Alaska
2. A temperate rain forest has a mild coastal climate: It rarely freezes in winter or goes above 80°F in summer. It gets 100 inches of rain or more per year.
3. conifers: Sitka spruce and western hemlock
4. beavers, raccoons, cougars, black bears, elk
5. ferns, mosses, wildflowers, evergreen needles
6. A nurse log is a fallen log with a mossy surface on which young trees grow.
7. Tropical rain forests have more evenly distributed rainfall, occurring frequently in small bursts. Temperate rain forests have one long wet season and a dry summer with fog. Average temperatures are warmer and more consistent in a tropical rain forest. There is more animal life in a tropical rain forest, and the tropical rain forest is more vulnerable to destruction

Performance-Based Assessment

FORM A HYPOTHESIS

1. Sample answer: The water will form a separate “current” similar to the way currents are formed in the ocean by water that is warmer or colder than the general water temperature.

ANALYZE THE RESULTS

1. The colored water flowed to the bottom of the aquarium and remained there.

DRAW CONCLUSIONS

2. The warm Gulf Stream waters flow over the top of the colder North Atlantic waters, heating the air at the ocean’s surface. This influences the climates of the North Atlantic region.

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