14. A
15. D
16. B
17. C
18. normal
19. convergent
20. reverse
21. magnetic reversals
22. sea-floor spreading
23. divergent

Standardized Test Preparation

READING

Passage 1

1. C
2. H
3. B

Passage 2

1. C
2. I
3. B

INTERPRETING GRAPHICS

1. C
2. G

MATH

1. B
2. H
3. B
4. H

Vocabulary Activity

1. sea-floor spreading
2. fault
3. mesosphere
4. convergent boundary
5. core
6. folding
7. uplift
8. divergent boundary
9. reverse fault
10. asthenosphere
11. plate tectonics
12. compression
13. lithosphere
14. subduction zone
15. subsidence
16. normal fault
17. mantle
18. strike-slip fault
19. continental drift
20. tension
21. crust
22. transform boundary
23. tectonic plates
24. stress

SciLinks Activity

1. Answers may vary. Sample answer: Philippine Plate, Scotia Plate, Juan de Fuca Plate
2. The Great Global Rift is a deep canyon that runs through the Mid-Ocean Ridge.
3. Answers may vary. Sample answer: The Mediterranean Sea will disappear, connecting Africa and Europe; India will continue pushing into the southern Asian continent, pushing the Himalayas higher; Los Angeles will move north to join with San Francisco; the Atlantic Ocean will continue to expand, while the Pacific Ocean will shrink.

Performance-Based Assessment

ANALYSIS

4. Points A, B, I, L, M, and N have moved toward the top of the map. The points on the right side of the map have not moved from their original position.
5. The fault is a strike-slip fault because the movement described is lateral only and shows no change in elevation.
6. Answers may vary. Sample answer: I would need a cross-sectional view that showed the elevation and the angle of the fault.

Convection Connection

ANALYZE THE RESULTS

1. Based on the motion of the food coloring, the warmer water rises and the cooler water sinks. Therefore, as the water warms, the craft sticks should move in a direction away from the center of the pan.

DRAW CONCLUSIONS

2. The hot water flowed outward from the center of the pan. This movement pushed the sticks away from each other and toward the edges of the pan.

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