2. Answers may vary but should include the West Coast or California.
3. Answers may vary. Sample answer: Stronger earthquakes occur less often.
4. gap hypothesis
5. seismic gaps
6. aftershocks
7. gap hypothesis
8. D
9. C
10. B
11. A
12. B
13. flexible pipes
14. A common way to retrofit an older home is to securely fasten it to its foundation.
15. Sensors in an active tendon system notify a computer that a building is moving. Then the computer signals a large weight to shift in order to counteract the movement of the building.
16. Answers may vary. Sample answer: I can put heavier objects on lower shelves so they don't fall. I can talk to my parents about having our home strengthened.
17. Answers may vary. Sample answer: I can find safe places in each room of the home. I can also find safe places outside. I can plan with others to meet in a safe place after the earthquake is over.
18. Answers may vary. Sample answer: I can store things like water, nonperishable food, a fire extinguisher, a flashlight with batteries, a portable radio, medicines, and a first-aid kit in a place I can get to after an earthquake.
19. Answers may vary. Sample answer: The best thing to do is to crouch or lie face down under a table or desk in the center of a room.
20. Answers may vary. Sample answer: The best thing to do is to lie face down away from buildings, power lines, and trees and to cover my head with my hands.

Directed Reading B

SECTION: WHAT ARE EARTHQUAKES?

1. C
2. A
3. D
4. B
5. C
6. elastic rebound
7. plastic deformation
8. deformation
9. elastic deformation
10. B
11. C
12. A
13. A
14. B
15. C
16. D
17. C
18. B
19. seismic waves
20. body waves
21. surface waves
22. C
23. A
24. C
25. B
26. D
27. D
28. A
29. B
30. A

SECTION: EARTHQUAKE MEASUREMENT

1. C
2. B
3. A
4. D
5. B
6. D
7. A
8. B
9. C
10. C
11. B
12. A
13. C
14. A
15. D

SECTION: EARTHQUAKES AND SOCIETY

1. C
2. A
3. B
4. D
5. B
6. C

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