Chapter 12 Test Key

1. (b) average speed
2. 1,000
3. (b) direction
4. heat
5. (c) heat
6. simple
7. (b) 6
8. greater
9. (a) acceleration
10. (a) the First Law of Motion
11. (a) greater acceleration and higher final speed
12. (c) distance separating them
13. (b) a cat sitting in sunlight in a window
14. (b) electromagnetic waves
15. (c) by currents in fluids such as water or air
16. greater
17. (a) buoyancy
18. heated
19. (d) wave motions
20. shorter
21. (b) make sonograms
22. (b) frequency
23. (b) radio waves
24. (b) the Doppler effect
25. negative
26. (b) conductors
27. (c) electric current
28. series
29. (a) double
30. sum (or total)
31. directly
32. (d) inversely
33. (a) True
34. least
35. (a) force times distance the force is applied
36. (b) work is done
37. (a) True
38. metric, English (or British)
39. (b) False
40. (c) mechanical action
41. radioactive
42. radioactive
43. background
44. matter, energy
45. theoretical
46. (b) very cold temperatures
47. (b) Fear of failure often precedes failure.
48. (a) Our purpose in the world is to give of ourselves to others—without that purpose, we rob ourselves.
49. (b) Wisdom comes from listening to good counsel and accepting instruction.
50. (c) A person with money has a lot of "friends" as long as his money lasts, but his "friends" leave when the money runs out.

