Chapter 6 Test Key

1. electricity
2. weight
3. 9
4. (b) Al^{+++}
5. (b) False
6. (a) declination
7. (c) the force of attraction between two magnetic poles is directly proportional to the product of their strength and inversely proportional to the square of the distance separating them
8. (b) electric charge in motion
9. Current
10. (a) a small elementary magnet in a ferromagnetic substance
11. (a) True
12. (b) False
13. (b) the region in which a magnet exerts its influence
14. magnetic
15. (a) it carries an electric current
16. (a) moving the wire around the magnet
17. mechanical
18. (a) True
19. current
20. (c) increases the loss of energy by heat
21. electromagnetic
22. infrared
23. Vision
24. (a) complementary
25. square
26. transparent
27. equal to
28. (a) convex
29. (b) concave
30. (b) False
31. (b) concave
32. slower
33. index of refraction
34. convex
35. farsighted
36. (b) diverges
37. (c) lens
38. 10x
39. 2.5x
40. Microorganism
41. $m = Di/Do$
42. Resolution
43. speed
44. (d) dispersion
45. (b) False
46. (c) We should examine our own faults more intently than those of others.
47. (c) We attract (and are attracted to) people whose character resembles our own.
48. (a) "Little drops of water, little grains of sand make the mighty ocean and the pleasant land."
49. (b) A truly great person is a humble person.
50. (c) Great people do not reach heights of success suddenly but work harder and longer than others.