Chapter 10 Test Key

1. (a) electrons
2. X-rays
3. (a) bones
4. (c) electrons traveling at high speed are stopped by a metal target
5. (d) X–rays
6. (a) her native country of Poland
7. protons
8. (c) whole number
9. hydrogen
10. negative
11. protons
12. (a) electron
13. neutrons
14. (c) neutrons
15. radium
16. (c) gamma rays
17. (c) electrons
18. (c) time for one-half of a sample of radioactive material to disintegrate
19. 462
20. Gamma rays
21. radiation poisoning
22. (b) eight
23. (b) have a low atomic mass similar to that of carbon 24. positive
25. (d) uranium
26. (c) split into two roughly equal pieces
27. (d) split
28. (a) binding energy
29. chemical
30. (a) 0
31. 20th
32. (a) True
33. fission
34. fusion
35. eclipse
36. (d) electron
37. (b) ionization
38. Geiger counter
39. (d) mass defect
40. Hispanic
41. (b) fusion
42. five
43. wastes
44. stable
45. transuranium
46. (b) Within every difficult situation, opportunities can be found.
47. (c) If we love life, we will use our time wisely and not waste it.
48. (c) The best way to reach your dreams and goals is to be persistent.
49. (b) Be careful how you use them, because words can wreck severe damage on people.
50. (b) We become what we continually entertain and think about in our hearts and minds.

