Chapter 7 Test Key

1. (a) True
2. period
3. metals
4. (a) +1
5. (d) -1
6. (a) True
7. dispersion
8. (b) two
9. (a) earth's atmosphere
10. *He*
11. Krypton
12. (c) fluorine
13.

Li	Be	B	C	N	O	F	Ne
1	2	3	4	3	2	1	0

14. (b) release an electron
15. (a) have opposite static charges
16. (c) heated air molecules
17. (b) electrons
18. (a) particles
19. (d) mostly empty space
20. (c) nucleus
21. (a) electrons
22. (c) neutrons
23. (b) resists the flow of electrical currents
24. (b) False
25. (a) fluorocarbons
26. polymer
27. (b) Iodine
28. (b) False
29. (c) halogens
30. chloride
31. (a) citric acid
32. (a) True
33. (d) Sodium hydroxide
34. salt
35. (a) covalent
36. (a) True
37. (d) water
38. (b) water
39. (b) generate heat
40. (c) releases 80 calories of heat energy
41. (a) True
42. (a) True
43. (a) solids
44. (a) True
45. (b) distillation and condensation
46. (b) Principles are truths or absolutes which do not change with time.
47. (a) By asking questions each of us demonstrates an inquisitive mind and a desire to keep learning.
48. (b) If life is no accident, life has to be purposeful, which means my life has a purpose.
49. (c) Honors and rewards go to those who demonstrate their good qualities.
50. (c) Humble reasoning (based on careful experimentation) in scientific matters may show the "experts" to be wrong in their conclusions, thereby providing valuable scientific input.

