Chapter 1 Test Key

1. (a) True
2. (b) experiments
3. (a) True
4. (b) harder
5. (a) gold
6. (b) silver
7. (a) True
8. (b) reduction
9. (a) oxidation
10. (b) tin
11. (a) electrical storage batteries
12. mercury
13. (a) True
14. (a) True
15. (b) False
16. (a) Boyle's Law
17. (a) Law of Conservation of Matter
18. (b) False
19. (b) False
20. (a) All compounds contain elements in definite proportions by weight regardless of how they are produced.
21. (b) hydrocarbon
22. (a) oxygen
23. (b) John Dalton
24. (a) atom
25. (b) molecule
26. (b) Avogadro's Hypothesis
27. *C*
28. *Cl*
29. *Cu*
30. *Au*
31. *H*
32. *Fe*
33. *Pb*
34. *Hg*
35. *N*
36. *O*
37. *P*
38. *Ag*
39. *S*
40. *Sn*
41. (b) False
42. (b) positive
43. (a) True
44. (1*12.001) + (4* 1.0080) = 16.033
45. (b) more quickly
46. (b) water
47. (a) form of kinetic energy
48. (a) heat
49. (b) a set boiling temperature
50. (b) Kelvin scale
51. (a) Thinking people realize a nation's future depends on the education of its youth.
52. (b) A person demonstrates she is superior by humbling herself to help those less fortunate than herself.

    (c) Great men were able to attain and keep focus on their goals by hard work over time, while others were not so occupied.