Chapter 2 Test Key

1. (a) energy
2. (a) True
3. (a) True
4. time
5. (c) change in time
6. (a) extraordinarily rapid
7. change in time
8. (c) first accurate clock
9. (b) flash of light
10. (d) a cannon pointing up at 45°
11. (b) ellipse
12. (b) False
13. (b) False
14. (b) False
15. (d) acceleration
16. (a) doubles
17. (b) False
18. (c) earth
19. (d) square
20. (b) one-ninth
21. (b) False
22. Square
23. (d) velocity
24. impulse
25. force
26. advantage
27. (c) become cautious
28. (a) True
29. work is done
30. distance
31. work
32. (d) potential energy
33. (a) True
34. ½ mv^2
35. (a) mass
36. (d) nine
37. temperature
38. (a) True
39. (c) mechanical
40. (a) changes as new information is learned
41. (c) if I have been able to accomplish more in life, it is because I have learned from great men who have gone before me
42. _e_ First Law of Motion
43. _b_ Second Law of Motion
44. _a_ Third Law of Motion
45. _c_ Law of Conservation of Energy
46. _d_ Law of Simple Machines
47. (a) Worthwhile accomplishments are preceded by dreams and goals.
48. (a) The order of things goes from simple to complex. Learn well the simpler things so you may master the more difficult ones.
49. (a) Begin today to achieve excellence and never settle for mediocrity.
50. (b) Since equal and opposite things cancel each other, wise people neutralize hate and anger with love and kindness.
51. (c) Only an intelligent, powerful Being could create such a beautiful (solar) system.
52. (c) Many hands tend to make lighter work and increase the outcome.