# Quiz 2-1 Answer Key



1. (a) True
2. summarize
3. (a) True
4. (a) True
5. (b) used the telescope to study the heavens
6. (a) True
7. (b) False
8. (b) independent of one another
9. (c) independent of one another
10. (a) a force such as friction acted upon it
11. (a) speed
12. time
13. (a) a unit of speed
14. (b) instantaneous speed
15. time
16. direction
17. gravity
18. (a) True
19. (c) change in time
20. (a) 32 $ft/sec^2$
21. (d) all objects fall at the same rate
22. (d) a cannon pointing up at 45°
23. (a) True
24. (a) light
25. (a) "extraordinarily rapid"
26. (c) first accurate clock
27. (b) the distance across the earth's orbit was not known
28. 186,000 mi/sec
29. 300,000,000 m/sec
30. (a) circles or combinations of circles
31. (d) it made his calculations easier
32. (d) it made his calculations easier
33. (a) Mars changes in brightness
34. (b) years of data
35. (c) an ellipse
36. elliptical
37. *Dreams*
38. *dream*
39. *Mathematics*
40. *excellence*
41. *others*