

Chapter 10 Review

1. What is the combination of all forces acting on an object called _____
2. The SI unit for acceleration is _____
3. Acceleration is defined as the change in velocity divided by _____
4. What is the difference between speed and velocity -
5. What is the speed of an object at rest _____
6. On a velocity-time graph, a line with a negative slope indicates that the object is doing what ____
7. If the net force acting on a stationary object is zero, then the object will describe the movement-
8. A car is parked on a hill. In order to keep the car from rolling downhill, how great must the static friction acting on the car be _____
9. How can friction on a water slide be reduced _____
10. What is a balanced force and give an example -
11. When is an object in motion _____
12. Define displacement and give an example-
13. Define friction –
14. Explain what kinetic friction is and give an example-
15. Give an numerical example of a straight line acceleration indicating an increase in speed-
16. If the net force on an object is zero then what type of force is acting on it-
17. In a tug of war drawing all the possible forces that can occur-
18. If the slope of a line on a distance-time graph is 1 , the speed of the object being plotted is-
19. The distance traveled by an object divided by the time it takes to travel that distance is called-
20. What causes the velocity of an object to change-
21. How do you determine speed-

From page 339 do problems 22-28

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