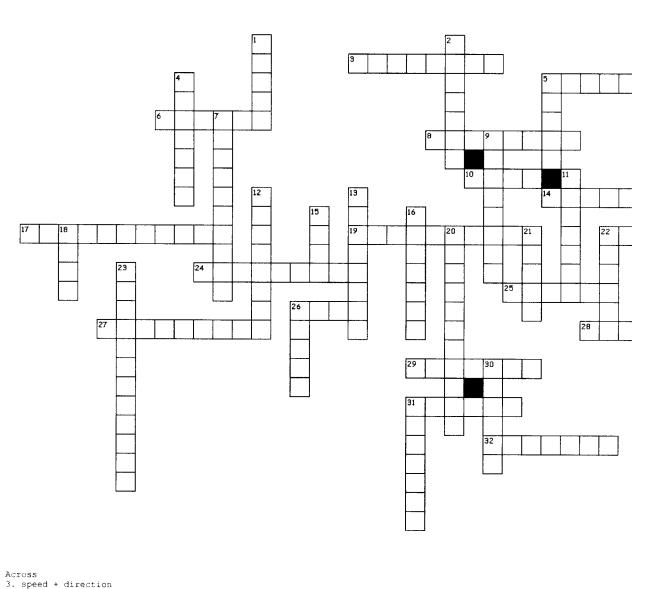
Velocity, Acceleration, Forces



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5. force that acts opposite to the direction of motion
 6. fluid friction occurs when something is in a gas or a
8. speed x time
10. ____ fall is when gravity is the only force acting on an object
10. _____ fall is when gravity is the only force acting on an object

14. something is in _____ if it changes position over time relative to a reference point

17. _____ is a force that is exerted when matter is pushed or squeezed

19. _____ are substances that are put on surfaces to reduce friction between surfaces
22. force is the combination of the forces acting on an object 24. \frac{d}{d+42} m v=26 m/s t=? s 25. measure of the gravitational force on an object
26. if a feather and an elephant were thrown off a building, they would fall at the speed:

27. point is a place or object used for comparison to determine if something is in motion:

28. v=20 m/s t=.05 s d=? m
                                                                                                                                                                                                                                                                                                                                                                                                                                                   speed if there was no air
 28. v=20 m/s t=.05 s d=? m
29. Newton's first law is also called the law of _
 31. not moving
32. _____ is a force that is exerted when matter is pulled or stretched Down
1. a skydiver experience
                                                                                                                                                                 friction
2. something that is moving will have ______ friction
4. a book being pushed on a table will experience ______ friction
5. push or pull
7. ______ forces cause a change in velocity of an object
9. ______ velocity is the constant maximum velocity reached by a body falling through the atmosphere
11. a car's tires will experience _____ friction with the ground
12. sometimes sand is spread on icy roads to help ______ friction
13. _____ forces result in no change in motion
15. the slope of a speed vs. _____ graph is acceleration
 2. something that is moving will have
13. forces result in no change in motion

15. the slope of a speed vs. graph is acceleration

16. is a force that pulls objects towards the center of the earth

18. force = x acceleration

20. acceleration happens when an object moves at a constant speed in a circular motion
22. unit used to describe the magnitude of a force 23. rate at which velocity changes over time
26. you can find speed by calculating the 30. v = 40 \text{ m/s} v = 25 \text{ m/s} t = .5 \text{ s} a = ? \text{ m/s} of a distance vs. time graph \frac{1}{30} \cdot v = 40 \text{ m/s} v = 25 \text{ m/s} \frac{1}{30} \cdot v = 10 \text{ m/s} \frac{1}{30} \cdot
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