

Name _____

Motion and Force

(Use with Motion and Force PPT)

***Match the following vocabulary terms with the correct definition.**

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|------------------------------|--|
| <u> G </u> 1. distance | A. an increase in speed |
| <u> D </u> 2. force | B. a force that acts against or stops motion |
| <u> H </u> 3. slope | C. a decrease in speed |
| <u> A </u> 4. acceleration | D. a push or pull that causes an object to move, stop, or change direction |
| <u> F </u> 5. velocity | E. a force which pulls objects to the surface |
| <u> I </u> 6. speed | F. an object's speed in a particular direction |
| <u> E </u> 7. gravity | G. the measurement from one point to another |
| <u> C </u> 8. deceleration | H. used to describe the steepness, incline, or grade of a straight line |
| <u> B </u> 9. friction | I. a measure of the distance an object moves in a given direction |

1. Describe the difference between speed and velocity.

Speed is a measure of the distance an object travels in a given amount of time. Velocity is an object's speed in a particular direction. If the direction changes, the velocity will also change.

2. How does friction change the speed of a moving object?

Friction can increase or decrease the speed of an object depending on the material creating the friction.