

**position**

**the location of an object**

**motion**

**a change of position of an object**

**speed**

**the measure of an object's change in position during a unit of time**

*25 kilometers per hour*

**velocity**

**the speed and direction of the motion of an object**

*The boy was running 10 miles per hour, west.*

**acceleration**

**any change in the speed or direction of an object's motion**

**force**

**a pull or push of any kind**

**inertia**

**the property of matter that keeps an object at rest or keeps it moving in a straight line**

**gravity**

**the force of attraction between Earth and other objects**

*an example of gravitation*

**gravitation**

**a force that acts between any two objects and pulls them together**

**weight**

**a measure of the gravitational force acting on an object**

**mass**

**the amount of matter (the tiny particles) in an object**

**friction**

**a force that resists motion between objects that are touching**

*less friction - ice      more friction - gravel*

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Blank box for notes or examples related to weight.

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