

Science Study Guide Chapter 15

If balanced forces are applied to a moving object, the object keeps moving at the same speed and direction.

If two dogs are pulling on a toy and neither dog is moving they are pulling with the same force.

The more force you push on an object the farther it will go.

When a guitar string is plucked it creates the motion of an object moving back and forth.

A yoyo would have potential energy right before someone is ready to release it.

Force is measured in newtons.

A grassy field slows the movement of a soccer ball.

The lightest object in a group requires the least amount of force to move it.

Speed and direction are used to describe the velocity of a moving car.

An example of acceleration is a train going around a corner at the same speed it was traveling on a straight track.

Relative motion describes the change in a person's position compared to an object.

Describe a contact force and a noncontact force that affect the motion of a baseball after a pitcher has thrown the ball.

How do distance and mass affect the force of gravity between objects?