

Third Grade  
Chapter 11 Lesson 2  
Study Guide

Magnetic force causes a magnet to attract and repel.  
Gravity is the pulling force between two objects.  
Sandpaper, rough stones, and rubber will increase friction.

Balanced forces cancel each other out because they have equal and opposite effects.

Force is a push or a pull.

Repel means to push away.

Friction is the force that occurs when objects rub against each other,

Weight is the measure of the amount of gravitational force between two objects.

An object with a magnetic force is called a magnet.

Unbalanced forces are when objects do not cancel each other out.

A pulling force between two objects such as between you and the earth is called gravity.

### Reading Comprehension

What makes a soccer ball move? To make any object move a force has to be applied to it. The force may be a push or a pull. In soccer, the goalie's job is to use force to stop or change the direction of the ball. The goalie uses contact force to do this.

The force that works against motion when an object rubs another object is friction. Surfaces that are rough have more friction than surfaces that are slippery. Magnets attract or repel each other without touching. The force of gravity also can pull objects from a distance. For example, gravity is the force that pulls you towards Earth.

Think about it to Write about it.

Suppose you lost an iron key in the sand. What could be used to help find the key?