

Name _____ Date _____

Using Force and Motion

A force is a _____ or a _____.

List three examples of motion.

A kite moves because of the push of _____ and the pull on the _____.

Forces make objects _____, _____,
_____ or _____.

Define gravity.

If an astronaut stays in space for several weeks, what can happen to their height?

When moving parts of machines rub against one another, friction wears down the parts. That's why we add _____, like oil and grease to machines.

Describe another way to reduce friction.

Galileo concluded that an object only needs a force to _____.

Explain Newton's first law of motion.

The resistance to change of motion is called _____.

Friction with the air is called _____.

_____ is how fast an object changes speed or direction.

The more _____ an object has, the more force is needed to change its motion.

How do racecars use air resistance to help the car slow down?

Newton's third law of motion states that _____
_____.

Describe an example of how streamlined shapes reduce air resistance.