

Newton's Laws of Motion

Instructions: Sort the provided list of motions into three columns, categorizing each motion based on the Newton's Law of Motion that best describes it.

Law of Inertia

Leaves fall to the ground when a tree is strongly shaken.

A ball bounces back up if you dribble it to the ground.

The blades of a fan continues to spin for a short while after you turn it off.

The harder you kick a soccer ball, the farther it will go.

Law of Acceleration

Swimmers propel forward through the water due to the exerted force of their arms and legs.

Your body lurches forward when the bus suddenly comes to a stop.

You're pushing a shopping cart down a slope and it moves faster.

Law of Action-Reaction

When you jump, the ground pushes you back up.

After you stirred a beverage, it continues moving in a circular motion for some time.

The car accelerates faster when you press the gas pedal with more force.