

Name: _____

Test Date: _____

Force and Motion Study Guide

Vocabulary Words: Using index cards or homemade index cards, put the vocab word on one side, and the definition on the other side. You are responsible for knowing these words and their definitions.

Force

Motion

Speed

Acceleration

Velocity

Inertia

Gravity

Friction

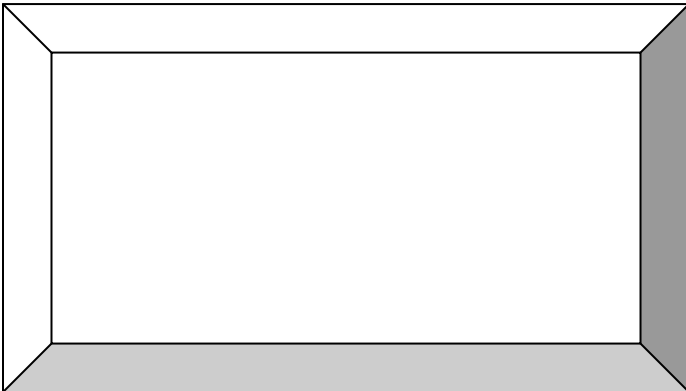
Newton's 1st Law

Newton's 2nd Law

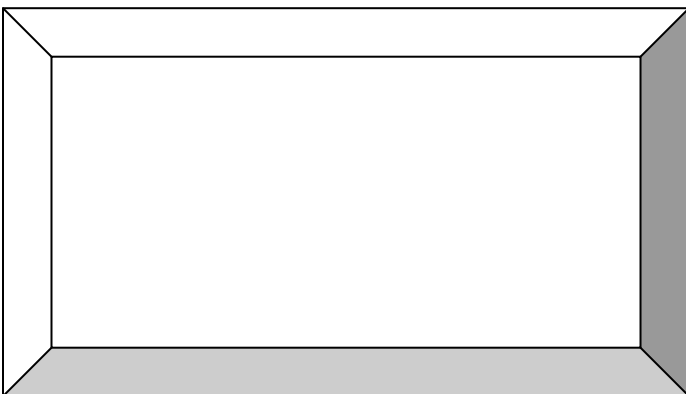
Newton's 3rd Law

Short Answer/Illustration:

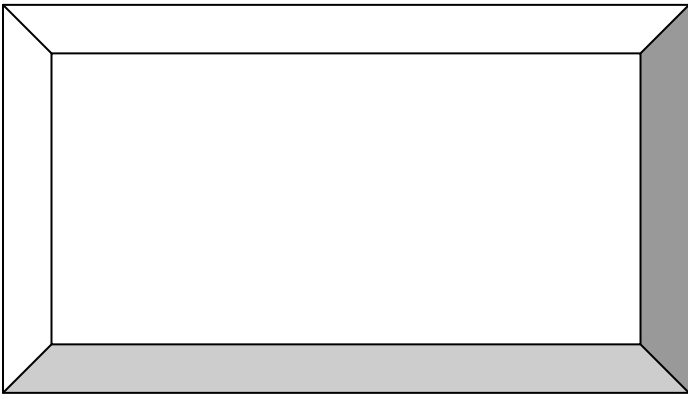
Describe Newton's First Law of Motion. Draw a picture in the box, and use words to explain.



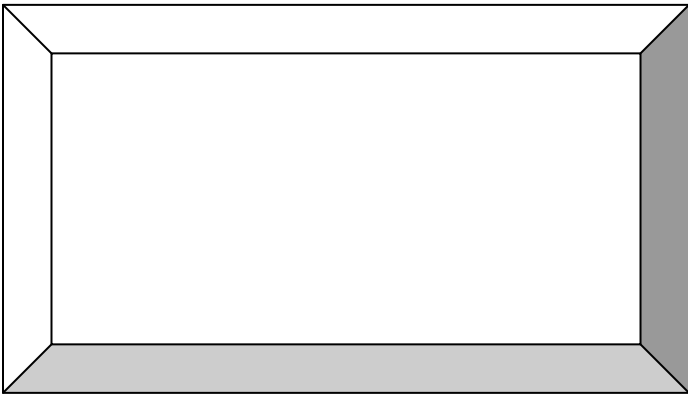
Describe Newton's Second of Motion. Draw a picture in the box, and use words to explain.



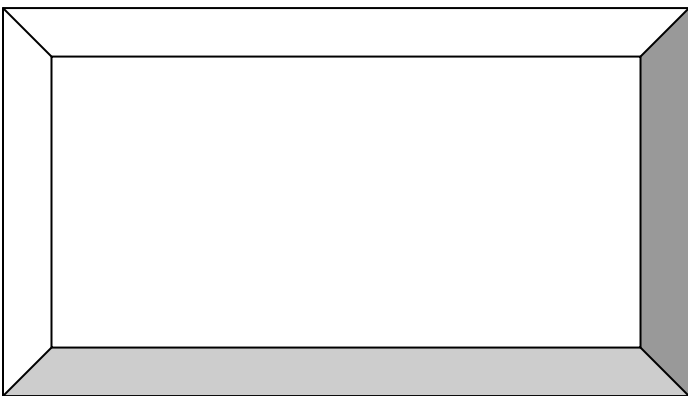
Describe Newton's 3rd Law of Motion. Draw a picture in the box, and use words to explain.



Explain how Inertia can be used to explain why the use of seat belts is so important. Draw a picture in the box, and use words to explain.



An Olympic Horse Jumper and her horse are competing in the final Gold Medal Round of the Olympics. The horse gets spooked and refuses to jump the final jump in the course. The rider goes over the jump and lands on the opposite side from where the horse remains, while the horse stands in front of the jump, hooves planted firmly on the ground. Use Inertia to explain what happened. Draw a picture in the box, and use words to explain.



Name:

Force & Motion Vocabulary

force - A or a

motion - How an object's changes over

speed - A measurement of over

acceleration - A change in caused by a change in

velocity - An object's in a particular direction.

inertia - Objects remain at or in unless acted on by a force.

gravity - The that objects toward the center of the Earth.

friction - Forces that down or movement.

Name:

Vocabulary Practice #1 - Form A

Directions - Using your notes, fill in the empty bubbles with words that describe each vocabulary word.

