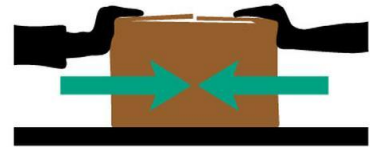


How Forces Affect Motion



Velocity

Balanced forces = no acceleration



Force and Acceleration



Momentum

1. What is velocity?

-The _____ and _____ of an object.

2. What is meant by the term acceleration?

- Any _____ in the speed or _____ of an object's motion.

-Acceleration includes when an object _____ .

1. Pushes and pulls are examples of what?

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2. If you and a friend push on opposite sides of a desk and the desk does not move, what is this an example of?

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3. Two girls tug on a rope to the left. They each apply a force of 50N. At the same time, a third girl tugs on the rope to the right using a force of 50 N. What is the net force on the rope?

- ____ N to the _____.

1. What is inertia?

-The property of _____ that keeps a moving object moving in a _____ line.

2. A bowling ball and a soccer ball are rolling at the same speed on the same surface. Why will the bowling ball be harder to stop?

-It has greater _____.