

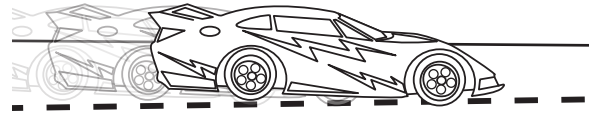


Newton's Laws of Motion

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Name _____ Class _____ Date _____

Motion is the process of an object changing place or position.



Speed is a measure of how fast an object is moving.



Force is a **push or pull** upon an object. Forces can **change** the position and motion of an object.

Gravity is an **attractive force** that pulls objects together. Gravity depends on the **mass** of the objects and the **distance** between them.



The moon revolves around Earth because of the gravitational force between them.



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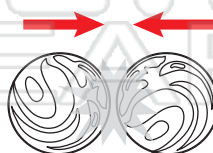
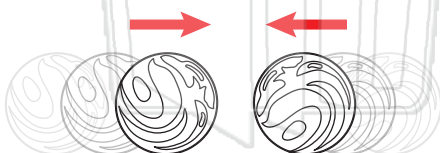
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amount of force applied.

Newton's 3rd Law of Motion

For every action there is an equal and opposite reaction.



Marbles exert equal force on each other.



Both marbles change velocity and direction.



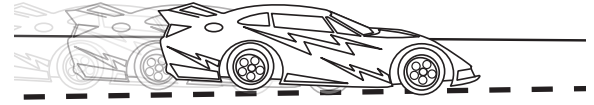
Newton's Laws of Motion

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Name _____ Class _____ Date _____

Fill in the blanks.

_____ is the process of an object changing place or position.



_____ is a measure of how fast an object is moving.

_____ is a **push or pull** upon an object. It can **change** the position and motion of an object.

_____ is an **attractive force** that pulls objects together.



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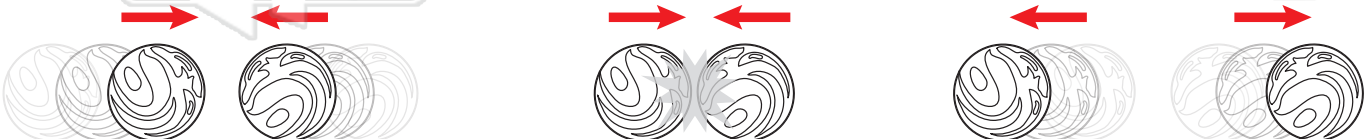
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_____ and the amount of _____ applied.

Newton's 3rd Law of Motion

For every action there is an _____ and _____ reaction.



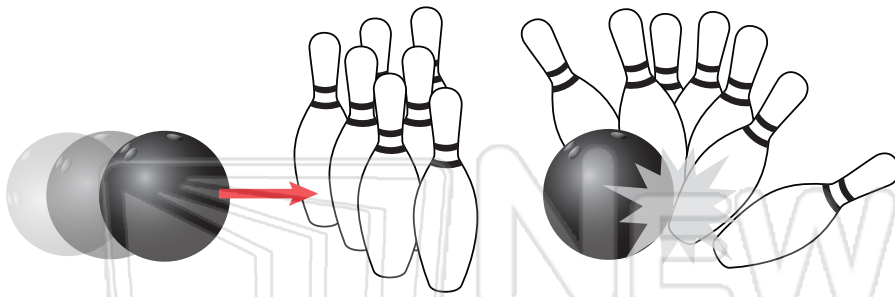


Newton's Laws of Motion

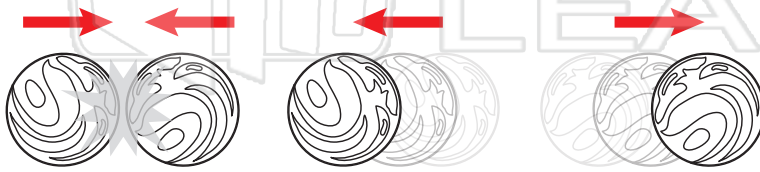
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Name _____ Class _____ Date _____

Look at each example. Check the Law of Motion that is being illustrated.



- 1st Law of Motion
- 2nd Law of Motion
- 3rd Law of Motion

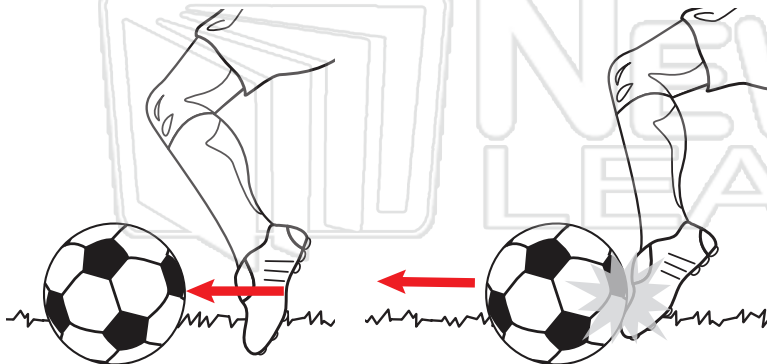


- 1st Law of Motion
- 2nd Law of Motion
- 3rd Law of Motion



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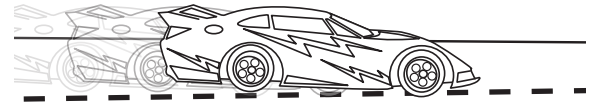
- 1st Law of Motion
- 2nd Law of Motion
- 3rd Law of Motion



Answer Key

Fill in the blanks.

Motion is the process of an object changing place or position.



Speed is a measure of how fast an object is moving.

Force is a **push or pull** upon an object. It can **change** the position and motion of an object.

Gravity is an **attractive force** that pulls objects together.



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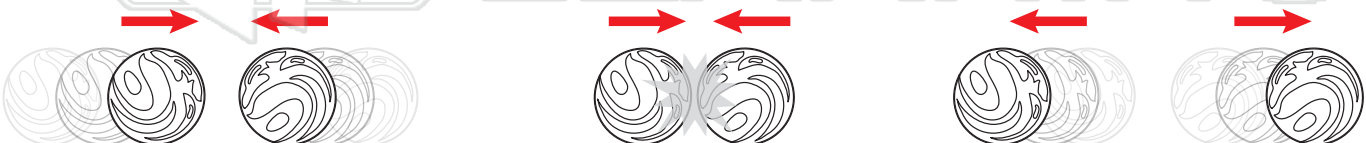
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mass and the amount of **force** applied.

Newton's 3rd Law of Motion

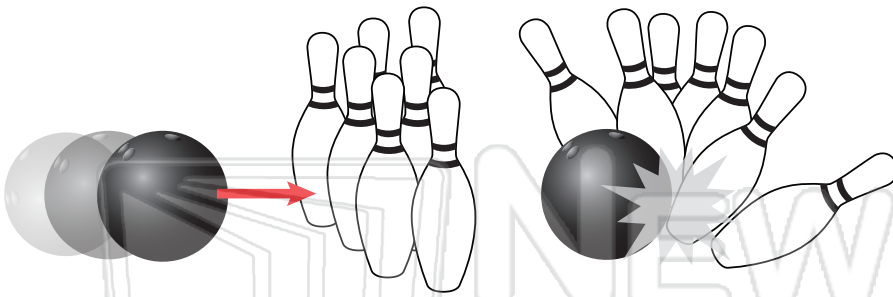
For every action there is an **equal** and **opposite** reaction.



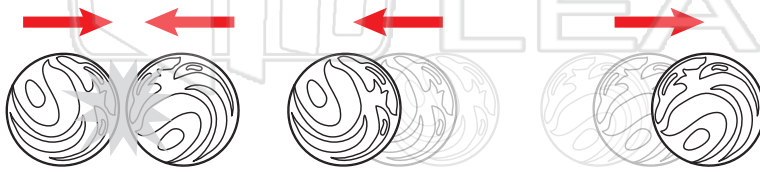


Answer Key

Look at each example. Check the Law of Motion that is being illustrated.



- 1st Law of Motion
- 2nd Law of Motion
- 3rd Law of Motion

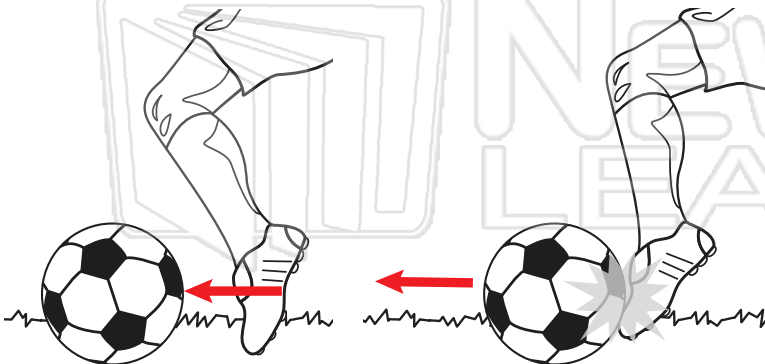


- 1st Law of Motion
- 2nd Law of Motion
- 3rd Law of Motion



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- 1st Law of Motion
- 2nd Law of Motion
- 3rd Law of Motion