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Name _____

Date _____

The Laws of Motion

Directions: Use the words in the word bank to complete the sentences.

action mass mathematician force
reaction rest motion physicist

1. Sir Isaac Newton was a world famous _____ and _____.
2. His three laws of _____ are still commonly applied today.
3. Newton's first law of motion states that an object at rest will stay at _____ and an object in motion will stay in motion unless an external _____ acts upon it.
4. Newton's second law states that force will be equal to an object's _____ times its acceleration.
5. Newton's third law of motion states that for every _____ there is an equal and opposite _____.

In the space below (or on a separate sheet of paper), draw an example of Sir Isaac Newton's third law and label the action and reaction.

Name _____

Date _____

The Laws of Motion- Answer Key

Directions: Use the words in the word bank to complete the sentences.

action	mass	mathematician	force
reaction	rest	motion	physicist

1. Sir Isaac Newton was a world famous mathematician and physicist.
2. His three laws of motion are still commonly applied today.
3. Newton's first law of motion states that an object at rest will stay at rest and an object in motion will stay in motion unless an external force acts upon it.
4. Newton's second law states that force will be equal to an object's mass times its acceleration.
5. Newton's third law of motion states that for every action there is an equal and opposite reaction.

In the space below (or on a separate sheet of paper), draw an example of Sir Isaac Newton's third law and label the action and reaction.

Common examples:

Rocket launch: downward thrust (action), liftoff (reaction)

Ball drop: ball hits ground (action), ball bounces up (reaction)

Baseball: hitter hits ball (action), ball flies off (reaction)

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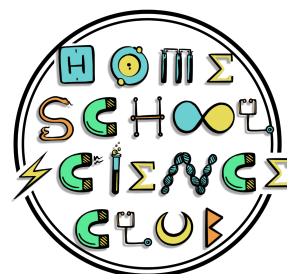
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