



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

### Match each of the following terms to its definition:

Newton's first law of motion

Newton's second law of motion

Velocity

Motion

Momentum

Newton's third law of motion

Newton

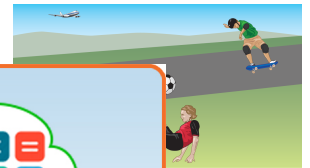
Speed

1. \_\_\_\_\_ - the amount of motion that is taking place, dependent on the mass and velocity of the object

momentum = mass x velocity



2. \_\_\_\_\_ - the process of an object changing its place or position relative to another object



3. \_\_\_\_\_ force; na

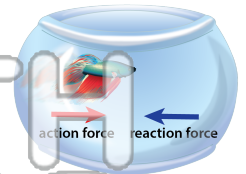


4. \_\_\_\_\_ motion to direction

5. \_\_\_\_\_ force affe

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6. \_\_\_\_\_ - for every action there is an equal and opposite reaction



7. \_\_\_\_\_ - a rate which describes how fast an object is moving or changing its position in a certain period of time

$$\text{speed} = \frac{\text{distance}}{\text{time}}$$



8. \_\_\_\_\_ - the speed of an object in a certain direction





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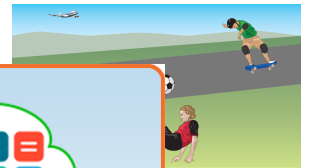
Speed

1. **momentum** - the amount of motion that is taking place, dependent on the mass and velocity of the object

momentum = mass x velocity



2. **motion** - the process of an object changing its place or position relative to another object



3. **Newton** named after

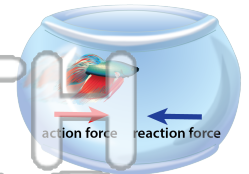


4. **Newton** an object moving in the same direction

5. **Newton** on mass times its acceleration

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6. **Newton's third law of motion** - for every action there is an equal and opposite reaction



7. **speed** - a rate which describes how fast an object is moving or changing its position in a certain period of time

$$\text{speed} = \frac{\text{distance}}{\text{time}}$$



8. **velocity** - the speed of an object in a certain direction

