

**Fill in the blanks:**

Write **1** for Newton's First Law  
Write **2** for Newton's Second Law  
Write **3** for Newton's Third Law

1. Swimmers move forward by pushing backwards on the water \_\_\_\_
2. A tennis ball moves faster than a basketball when they are both thrown with the same force \_\_\_\_\_
3. A golf ball does not move until it is hit with a club \_\_\_\_
4. A bicycle with bricks in its basket will move slower than a bicycle with an empty basket when pedaled with the same force \_\_\_\_
5. You push down on the ground to jump \_\_\_\_

**Matching:**

Every action has an equal and opposite reaction

Inertia

Objects at rest will stay at rest unless acted upon by an external unbalanced force

Newton's Third Law

The amount of force being applied to an object is the object's mass multiplied by its acceleration

Acceleration

Objects like to stay where they are

Newton's First Law

The change in an object's speed and direction over time

Newton's Second Law