

8th Grade Science

Home School Assignment

August 6

Track your physical activity today. **YOU MUST DO SOMETHING PHYSICAL!** This can include bicycling, skateboarding, weight lifting, sports, jogging, etc.

Using the descriptions of Newton's three laws of motion below, explain how the activity utilizes one or more of the three laws.

1 - An object at rest will remain at rest unless acted on by an unbalanced force. An object in motion continues in motion with the same speed and in the same direction unless acted upon by an unbalanced force.

2 - Acceleration is produced when a force acts on a mass. The greater the mass (of the object being accelerated) the greater the amount of force needed (to accelerate the object).

3 - For every action there is an equal and opposite reaction.