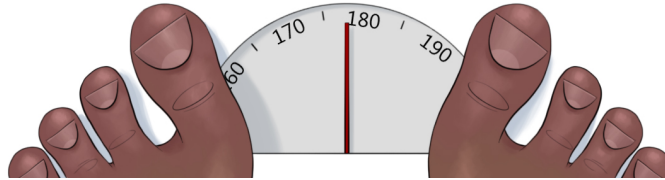


# Self Check 2.1

**Due** No due date**Points** 3**Questions** 3**Time limit** None**Allowed attempts** Unlimited

## Instructions



This exercise will help you check your knowledge. Please take it as many times as you need to master the concepts. Select the best answer for each question.

[Take the survey again](#)

⚠ Correct answers are hidden.

Score for this attempt: **3** out of 3

Submitted 18 Mar 2019 at 10:14

This attempt took 27 minutes.

### Question 1

State Newton's first law in your own words.

Your answer:

newton first law of motion states that an object in motion [with a constant velocity] unless acted upon by an unbalanced force.

Answer: Objects in motion will remain in motion with constant speed and direction unless acted on by an unbalanced force.

## Question 2

According to Newton's first law, if you throw a ball up into the air, it should keep moving upwards at a constant speed until something stops it. In reality, a ball thrown upwards will slow down, stop, and then fall back downwards. What force changes the upwards motion of the ball?

Your answer:

force of gravity

Answer: Gravity is the force that will bring the ball down; it is the same force that brings you down when you jump. You will learn about gravity later in this lesson.

## Question 3

Before Galileo, why did people believe that forces were required for objects to move?

Your answer:

peoples experience showed that a force was required to overcome friction,so they felt that a force was always required for motion

Answer: People's experience showed that a force was required to overcome friction, so they felt that a force was always required for motion.

Survey Score: **3** out of 3