Science Fables

The Push-and-Pull Adventure

Story Quiz

This quiz checks what you learned about force, types of forces, and effects of force.

1. What is a force?

A. A push or pull
B. A type of energy
C. A measuring instrument
D. A kind of motion

2. Which of the following is a contact force?

A. Magnetic force
B. Gravitational force
C. Frictional force
D. Electrostatic force

3. Which force can act without objects touching each other?

A. Muscular force
B. Frictional force
C. Magnetic force
D. Push force

4. Which of the following is an effect of force?

A. Changing the direction of a moving object
B. Changing the color of an object
C. Changing the temperature of an object
D. Changing the material of an object

5. What instrument is used to measure force?

A. Thermometer
B. Spring balance
C. Measuring cylinder
D. Stopwatch

Answer Key

1. A — A push or pull

A force is a push or a pull.

2. C — Frictional force

Frictional force is a contact force because it acts between surfaces that touch. Magnetic, gravitational, and electrostatic forces can act at a distance.

3. C — Magnetic force

Magnetic force can act at a distance without the objects touching.

4. A — Changing the direction of a moving object

One effect of force is changing the direction of a moving object.

5. B — Spring balance

A spring balance is used to measure force.