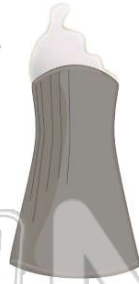




Name _____ Class _____ Date _____

1 A **nuclear reactor** changes nuclear energy into _____.

- A chemical energy
- B heat energy
- C mechanical energy
- D sound energy



3 The color of an object is a **physical property**.
True or false?

- A true
- B false



2 When a student **turns on** a flashlight, which of the choices below is correct?

- A Nuclear energy is changed into mechanical energy.
- B Mechanical energy is changed into potential energy.
- C Chemical energy is changed into electrical energy, then light energy.
- D Light energy is changed into kinetic energy, then mechanical energy.

4 In the diagram below, which statement is true about the rock **sitting** at the top of the **cliff**?

- A it has more potential energy than kinetic energy
- B it has more kinetic energy than potential energy
- C it has no potential energy



PREVIEW

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7
A meter
B degree
C gram



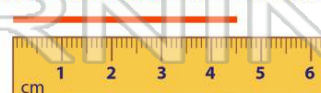
- A 54
- B 56
- C 58
- D 60



9 Which of the statements below is **scientifically** correct?

- A Energy is needed to do work.
- B Energy cannot be converted from one form to another.
- C Potential energy is energy in motion.
- D Kinetic energy is energy at rest.

10 What is the length of the line drawn above the **centimeter** ruler shown below?



- A 45 centimeters
- B 45 millimeters
- C 4.5 millimeters
- D 450 centimeters



ANSWER KEY

A **nuclear reactor** changes nuclear energy into _____.

- A chemical energy
- B heat energy
- C mechanical energy
- D sound energy



(b)

When a student **turns on** a flashlight, which of the choices below is correct?

- A Nuclear energy is changed into mechanical energy.
- B Mechanical energy is changed into potential energy.
- C Chemical energy is changed into electrical energy, then light energy.
- D Light energy is changed into kinetic energy, then mechanical energy.

(c)

The color of an object is a **physical property**.

True or false?

- A true
- B false



(a)

In the diagram below, which statement is true about the rock **sitting** at the top of the **cliff**?

- A it has more potential energy than kinetic energy
- B it has more kinetic energy than potential energy
- C it has no potential energy
- D it has used all of its potential energy



(a)



PREVIEW

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Which of the statements below is **scientifically** correct?

- A Energy is needed to do work.
- B Energy cannot be converted from one form to another.
- C Potential energy is energy in motion.
- D Kinetic energy is energy at rest.

(a)

What is the length of the line drawn above the **centimeter** ruler shown below?



(b)

- A 45 centimeters
- B 45 millimeters
- C 4.5 millimeters
- D 450 centimeters