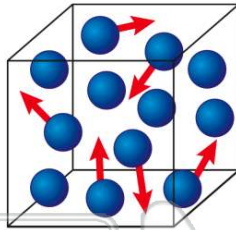




Name _____ Class _____ Date _____

1 **Matter** is anything that **has mass** and _____.

- A gives off heat
- B occupies space
- C freezes easily
- D gives off light



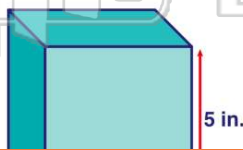
2 When a **lightbulb** is turned on, what **energy change** occurs?

- A Light energy is changed into electrical energy.
- B Electrical energy is changed into chemical energy.
- C Electrical energy is changed into light energy.
- D Chemical energy is changed into electrical energy.



3 What is the **volume** in **cubic inches** of the cube shown below?

- A 25 in³
- B 15 in³
- C 50 in³
- D 125 in³



4 Which of the balls in the diagram below has the **greatest** amount of **potential energy**?

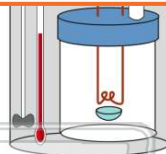
- A A
- B B
- C C



PREVIEW

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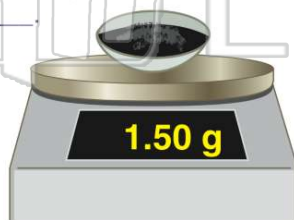
7
A chemical
B electrical
C thermal
D mechanical



- B Kinetic energy is changed to potential energy.
- C Mechanical energy is changed to chemical energy.
- D Chemical energy is changed to kinetic energy.

9 To convert **grams** to **milligrams** a student would **multiply** the number of grams by _____.

- A 1
- B 5
- C 10
- D 1,000



10 What is the weight in **kilograms** of a football player that weighs **220 pounds**?

1 kg ~ 2.2 lb

- A 220 kg
- B 22 kg
- C 100 kg
- D 110 kg

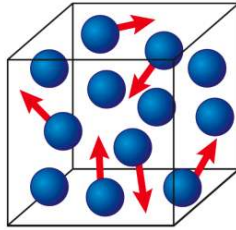




ANSWER KEY

Matter is anything that **has mass** and _____.

- A** gives off heat
- B** occupies space
- C** freezes easily
- D** gives off light



(b)

When a **lightbulb** is turned on, what **energy change** occurs?

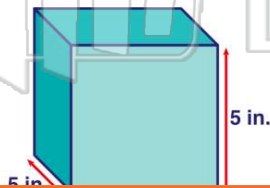
- A** Light energy is changed into electrical energy.
- B** Electrical energy is changed into chemical energy.
- C** Electrical energy is changed into light energy.
- D** Chemical energy is changed into electrical energy.



(c)

What is the **volume** in **cubic inches** of the cube shown below?

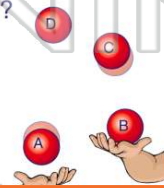
- A** 25 in³
- B** 15 in³
- C** 50 in³
- D** 125 in³



(d)

Which of the balls in the diagram below has the **greatest** amount of **potential energy**?

- A** A
- B** B
- C** C
- D** D



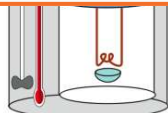
(d)



PREVIEW

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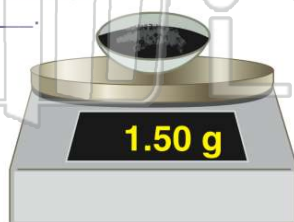
- C** thermal
- D** mechanical



- C** Mechanical energy is changed to chemical energy.
- D** Chemical energy is changed to kinetic energy.

To convert **grams** to **milligrams** a student would **multiply** the number of grams by _____.

- A** 1
- B** 5
- C** 10
- D** 1,000



(d)

What is the weight in **kilograms** of a football player that weighs **220 pounds**?

1 kg = 2.2 lb

- A** 220 kg
- B** 22 kg
- C** 100 kg
- D** 110 kg



(c)