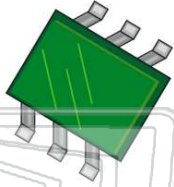




Name _____ Class _____ Date _____

1 A microchip is usually made with a **semiconductor**. Which of the elements listed below is a **good semiconductor**?

- A silicon
- B copper
- C silver
- D aluminum



3 In the diagram below of a **computer system**, which part is considered to be the "**brain**" of the unit?

- A central processing unit (CPU)
- B scanner
- C monitor

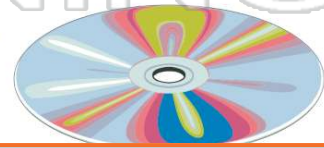


2 A **material** is called a **semiconductor** if it _____.

- A does not conduct current
- B conducts current only under particular conditions
- C conducts current regardless of conditions
- D conducts current to only one half of the circuit

4 The **digital instructions** for a computer system are referred to as _____.

- A hardware
- B data
- C software
- D memory

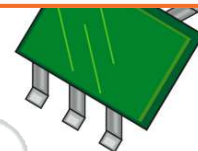


PREVIEW

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7 _____ interfere with bird migration
_____ disrupt the weather
_____ cause illness in pets
_____ cause poor cell phone reception

- B CD-ROM
- C flash drive
- D RAM

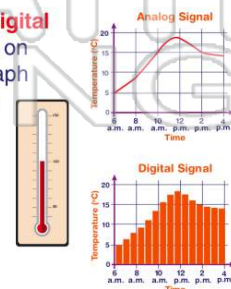


9 Almost all **technological** products are considered to be a type of _____.

- A artificial intelligence
- B information
- C system
- D computer

10 These graphs compare **digital** signals to **analog** signals on thermometers. Which graph represents the change in temperature shown by a mercury **thermometer**?

- A digital
- B analog
- C both
- D neither

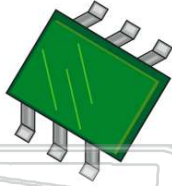




ANSWER KEY

A microchip is usually made with a **semiconductor**. Which of the elements listed below is a **good semiconductor**?

- A silicon
- B copper
- C silver
- D aluminum



(a)

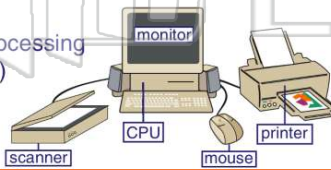
A **material** is called a **semiconductor** if it _____.

- A does not conduct current
- B conducts current only under particular conditions
- C conducts current regardless of conditions
- D conducts current to only one half of the circuit

(b)

In the diagram below of a **computer system**, which part is considered to be the "**brain**" of the unit?

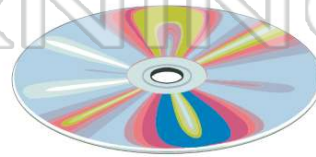
- A central processing unit (CPU)
- B scanner
- C monitor
- D mouse



(a)

The **digital instructions** for a computer system are referred to as _____.

- A hardware
- B data
- C software
- D memory



(c)



PREVIEW

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- B disrupt the weather
- C cause illness in pets
- D cause poor cell phone reception

D RAM

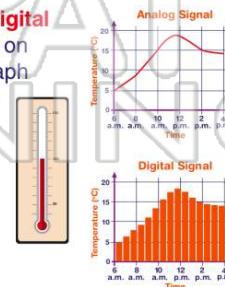
Almost all **technological** products are considered to be a type of _____.

- A artificial intelligence
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- C system
- D computer

(c)

These graphs compare **digital** signals to **analog** signals on thermometers. Which graph represents the change in temperature shown by a mercury **thermometer**?

- A digital
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- C both
- D neither



(b)