



Name _____ Class _____ Date _____

- 1 What is the **reason** why a **fuse** burns out?
- A it gets too old
 - B too much current passes through it
 - C there is not enough voltage
 - D it generates power

- 2 Why is it **safer** to have **circuit breakers** installed in a home?
- A to save electrical costs
 - B to improve energy conservation
 - C to increase electrical efficiency
 - D to prevent fires

- 3 The **voltage** passing through the victim is what actually injures people who are **electrically shocked**.
True or false?
- A true
 - B false



- 4 If an electric dishwasher operates on **10 amperes** and **110 volts** for one hour, the power used is **approximately** _____.
- A 1 kilowatt-hour
 - B 10 kilowatt-hours
 - C 11 kilowatt-hours

$$1\text{kW} = \frac{1,000\text{ W}}{\text{hour}}$$



PREVIEW

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- 7
- B series
C complete
D incomplete
-

- would work
B only bulb #1 would work
C bulbs #1 and #2 would work
D the battery would get weak
-

- 9 Why is the **parallel** wiring in a home **better** than series wiring?
- A in parallel, if one part of the circuit goes bad, the other parts still work
 - B in parallel, fuses can be used
 - C parallel wiring is less expensive
 - D more rooms can be wired to be used at the same time.

- 10 The term used for measurement of **electrical resistance** is called a(n) _____.
- A watt
 - B ohm
 - C volt
 - D ampere

$$R = \frac{V}{I}$$



ANSWER KEY

What is the **reason** why a **fuse** burns out?

- A it gets too old
- B too much current passes through it
- C there is not enough voltage
- D it generates power

(b)

Why is it **safer** to have **circuit breakers** installed in a home?

- A to save electrical costs
- B to improve energy conservation
- C to increase electrical efficiency
- D to prevent fires

(d)

The **voltage** passing through the victim is what actually injures people who are **electrically shocked**.

True or false?

- A true
- B false



(b)

If an electric dishwasher operates on **10 amperes** and **110 volts** for one hour, the power used is **approximately** _____.

- A 1 kilowatt-hour
- B 10 kilowatt-hours
- C 11 kilowatt-hours
- D 110 kilowatt-hours

$$1\text{kW} = \frac{1,000\text{ W}}{\text{hour}}$$

$$W = V \times A$$

(a)



PREVIEW

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D incomplete

would work

- C bulbs #1 and #2 would work
- D the battery would get weak

Why is the **parallel** wiring in a home **better** than series wiring?

- A in parallel, if one part of the circuit goes bad, the other parts still work
- B in parallel, fuses can be used
- C parallel wiring is less expensive
- D more rooms can be wired to be used at the same time.

(a)

The term used for measurement of **electrical resistance** is called a(n) _____.

- A watt
- B ohm
- C volt
- D ampere

$$R = \frac{V}{I}$$

(b)