Electricity

Sci F

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**.

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

5

7

A parallel
B series
C complete
D incomplete

A no bulbs 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

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

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