PRINCE EDWARD ISLAND PHYSICS 12 · UNIT C · 10 QUESTIONS

Electricity and Magnetism — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A conductor allows charge to**

- A stay fixed
- B be stored only
- C be created
- D flow easily

Understand It with Pulse | Flag a mistake

2 **An insulator**

- A creates charge
- B stores voltage only
- C resists charge flow
- D allows charge flow

Understand It with Pulse | Flag a mistake

3 **Power in an electric circuit equals voltage times**



A time

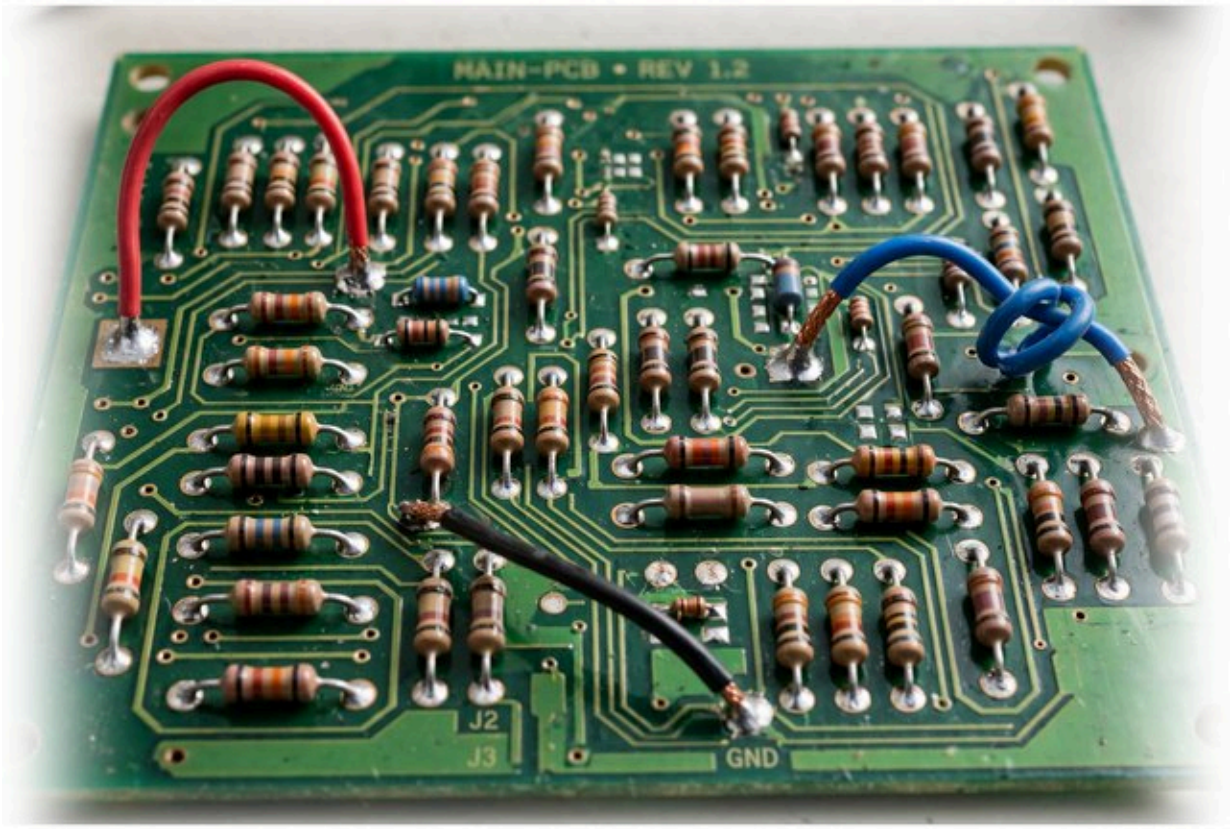
B current

C resistance

D charge

Understand It with Pulse | Flag a mistake

4 **Two 4 ohm resistors in series have total resistance in ohms of**



ANSWER

Understand It with Pulse | Flag a mistake

5 **A 60 watt bulb used for 5 hours uses energy in watt hours of**

ANSWER

Understand It with Pulse | Flag a mistake

6 **A current of 6 amperes through a resistance of 2 ohms gives voltage in volts of**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A charge of 3 coulombs in an electric field of 8 newtons per coulomb experiences force in newtons of**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A device uses 120 volts and 4 amperes. Its power in watts is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A current of 7 amperes flows for 10 seconds. The charge transferred in coulombs is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Two 10 ohm resistors in series have total resistance in ohms of**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. D
2. C
3. B
4. 8
5. 300
6. 12
7. 24
8. 480
9. 70
10. 20

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