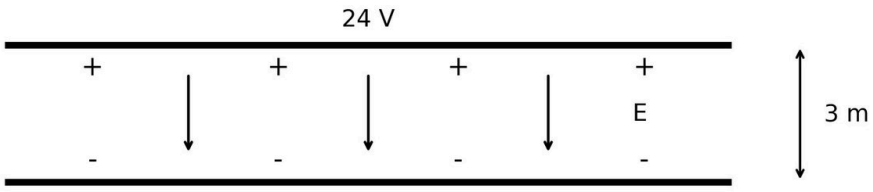
ELECTRICITY AND ELECTRIFICATION - PRACTICE TEST | NEW BRUNSWICK SCIENCE 10 (SCIENCE FOR SUSTAINABLE SOCIETIES) · UNIT B · 10 QUESTIONS

Electricity and Electrification — 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 **The diagram shows two plates with voltage 24 volts and separation 3 metres. The electric field strength in volts per metre is**



Question 1

The diagram shows two plates with voltage 24 volts and separation 3 metres. The electric field strength in volts per metre is

ANSWER

Understand It with Pulse

Flag a mistake

2 **Current is measured in**

A amperes

B volts

C ohms

D watts

Understand It with Pulse | Flag a mistake

3 **Voltage is measured in**

A amperes

B volts

C ohms

D watts

Understand It with Pulse | Flag a mistake

4 **Ohm law relates voltage current and**

A power only

B charge only

C resistance

D time only

Understand It with Pulse | Flag a mistake

5 **Adding a resistor in series increases total**

A voltage

B current always

C power always

D resistance

Understand It with Pulse | Flag a mistake

6

Adding a branch in parallel decreases total

A resistance

B voltage

C charge

D power

Understand It with Pulse | Flag a mistake

7

A ground wire provides a safe path for current to

A the sky

B earth

C a battery

D a light

Understand It with Pulse | Flag a mistake

8 **A circuit needs a complete path for current to**

A stop

B cool

C flow

D vanish

Understand It with Pulse | Flag a mistake

9 **A battery converts chemical energy into**

A light only

B sound only

C heat only

D electrical energy

Understand It with Pulse | Flag a mistake

10 **The field around a current carrying conductor circles the**

A wire

B battery

C bulb

D switch

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	8	**5.**	D	**9.**	D
2.	A	**6.**	A	**10.**	A
3.	B	**7.**	B		
4.	C	**8.**	C		

© 2026 Brett Robbins. All Rights Reserved.