



Problem

Problem

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Checkboxes

1 point possible (graded, results hidden)

Multimeter is used to measure:

Select all the correct options.

☒ Voltage☒ Current☐ Energy☒ Resistance☐ Power

Submit

You have used 1 of 2 attempts

Save

Answer submitted.

Checkboxes

1 point possible (graded, results hidden)

Read carefully and select all the correct options.

☒ Multimeter needs to be connected in **series** to measure **current**.☐ Multimeter needs to be connected in **parallel** to measure **current**.☒ Multimeter needs to be connected in **parallel** to measure **voltage**.

Submit

You have used 1 of 2 attempts

Save

Answer submitted.

Multiple Choice

1 point possible (graded, results hidden)





Look carefully at the knob of the Multimeter.

What is the **maximum voltage** that you can measure in **this setting**?

☐ any value in between 200mV to 1000V

☐ 1000V

☒ 20V

Submit

You have used 1 of 2 attempts

Save

Your answers were previously saved. Click 'Submit' to grade them.

Multiple Choice

1 point possible (graded, results hidden)

Refer to the previous image of the Multimeter.

Suppose you want to measure the value of a resistor accurately using that Multimeter. By observing the colour bands of the resistor, you can estimate that the value will be around **5k Ω** .

In which position will you set the knob to get the **most precise value** of the resistor?

☐ 2000 Ω

☒ 20 k Ω

☐ 2000 k Ω

Submit

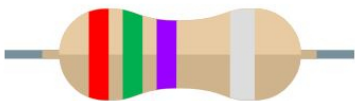
You have used 1 of 2 attempts

Save

Answer submitted.

Multiple Choice

1 point possible (graded, results hidden)



What is the range for the value of the resistor?

☐ 135 M Ω ~ 165 M Ω

☐ 216 M Ω ~ 264 M Ω

☒ 225 M Ω ~ 275 M Ω

Submit

You have used 1 of 2 attempts

Save

Answer submitted.

Checkboxes

1 point possible (graded, results hidden)

Read carefully and select all the correct options.

☒ A Resistor is a non-polar component.

☐ A Resistor is a polar component.


☐ Both Resistor and Capacitor are polar components.

☒ A Capacitor may be polar or non-polar.

Submit

You have used 1 of 2 attempts

 Save

 Your answers were previously saved. Click 'Submit' to grade them.

Multiple Choice

1 point possible (graded, results hidden)

Typically, the **longer leg** of a capacitor represents its **(+ve) terminal**.


☒ True

☐ False

Submit

You have used 1 of 2 attempts

 Save

 Your answers were previously saved. Click 'Submit' to grade them.

Multiple Choice

1 point possible (graded, results hidden)


The holes of the **middle segment** of a breadboard are connected:

☐ horizontally

☒ vertically

Submit

You have used 2 of 2 attempts

 Answer submitted.

Multiple Choice

1 point possible (graded, results hidden)


The holes of the **top-most** and **bottom-most** segments of a breadboard are connected **vertically**.

☐ True

☒ False

Submit

You have used 2 of 2 attempts

 Answer submitted.

Multiple Choice

The voltage across a $4.7\text{ k}\Omega$ resistor was found to be 8.8 volts. What is the value of the **current** through that resistor?

☐ 1.87 A

☒ 1.87 mA


☐ 41.36 A

☐ 41.36 mA

Submit

You have used 1 of 2 attempts

 Save

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