

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) How is an ammeter connected to an electrical circuit?

2) Why must an ohmmeter be connected to a disconnected circuit or component.

3) How is a test light able to detect electricity?

4) What is meant when a meter reads "OL" when measuring ohms?

Answer Key

Testname: INTRO_SHORT22

- 1) An ammeter must be connected in the circuit itself in series unless a clamp-on ammeter is used.
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- 2) The component being measured for resistance must be disconnected from electrical power because an ohmmeter applies a voltage to the component in order to measure its resistance.
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- 3) When one end of a test light is connected to a good ground connection, the tip is touched to a circuit that has electrical power and current flows through and lights the test light.
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- 4) Typical digital multimeter showing OL (over limit) on the readout with the ohms unit selected. This usually means that the unit being measured is open (infinite resistance) and has no continuity.
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