

Name _____

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

1) What is the relationship between the length of a wire and its resistance?

2) What is electricity?

3) What are the ampere, volt, and ohm?

4) What are three examples of conductors and three examples of insulators?

Answer Key

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1) If the conductor length is doubled, its resistance doubles. This is the reason why battery cables are designed to be as short as possible.

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2) Electricity is the movement of electrons from one atom to another.

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3) An ampere is the unit of the amount of current flow; a volt is a unit of electrical pressure and an ohm is a unit of electrical resistance.

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4) Conductors include steel, iron, copper, aluminum, mercury, brass, and all other metals.

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