

# Electrical Fundamentals

Meets ASE Task: Not specified by ASE

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

\_\_\_\_\_ 1. State the relationship among volts, amperes, and ohms.

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\_\_\_\_\_ 2. List five sources of electricity.

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_
- e. \_\_\_\_\_

\_\_\_\_\_ 3. Describe what occurs to resistance when:

- a. The conductor length is increased \_\_\_\_\_
- b. The conductor diameter is increased \_\_\_\_\_
- c. The temperature of the conductor is increased \_\_\_\_\_

\_\_\_\_\_ 4. What is the difference between a rheostat and a potentiometer? \_\_\_\_\_

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