

# Electrical Fundamentals

Meets ASE Task: Not specified.

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

Make/Model/Year: \_\_\_\_\_ VIN: \_\_\_\_\_

Evaluation (Enter number from 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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