

# Electronic Fundamentals

Meets ASE Task: Not specified by ASE

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

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

\_\_\_\_\_ 1. Describe the difference between a zener diode and a clamping diode. \_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_ 2. Describe the operation of a photo resistor. \_\_\_\_\_

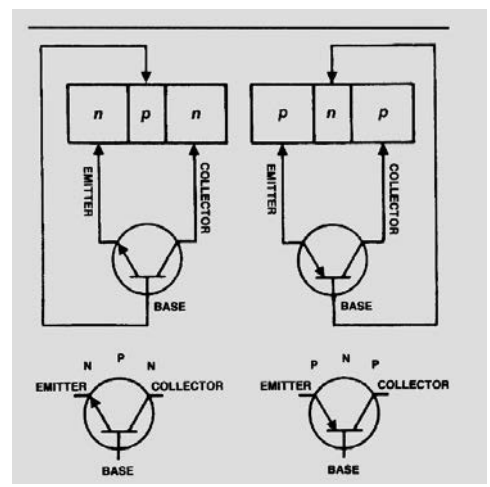
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\_\_\_\_\_ 3. What is meant by the term “negative coefficient thermistor?” \_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_ 4. What is the difference between a PNP and a NPN transistor?

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\_\_\_\_\_  
\_\_\_\_\_



\_\_\_\_\_ 5. List three precautions that service technicians should do to help prevent damage to electronic components from ESD.

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_