

# 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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\_\_\_\_\_

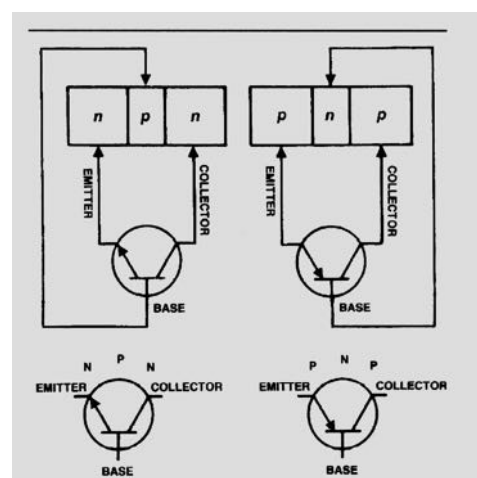
\_\_\_\_\_ 4. What is the difference between a PNP and a NPN transistor?

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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. \_\_\_\_\_