

Automotive Technology 7th Edition
Chapter 63: Automatic Air-Conditioning and Heat Pump Systems
Short Answer Quiz

Name: _____ Date: _____

1. Describe the function of the external condenser during the summer months in relation to the cabin's temperature.

2. Explain the purpose and function of Tesla's "camp mode" feature.

3. How does the airflow from the blower affect the in-vehicle temperature sensor?

4. Discuss the significance of the sun load sensors' location in relation to the instrument panel.

5. What are the symptoms that indicate a broken blend door in an automatic temperature control system?

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6. How does the automatic climate control display integrate with the navigation screen in some vehicles?

7. Describe the relationship between the resistance of most automotive thermistors and temperature.

8. Explain the role of the compressor speed sensor in relation to the ECM.

9. How does Tesla's "dog mode" ensure the safety and comfort of pets inside the vehicle?

10. Discuss the strategies programmed into an ECM to suit the requirements of a vehicle with a relatively small engine when the A/C is activated.
