

Name \_\_\_\_\_

**SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.**

1) Where is the air directed when the control panel is set to defog/defrost position?

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2) Where does the air enter the vehicle when outside air is selected?

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3) How does a "reheat" system work?

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4) What do the three main HVAC doors do?

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5) In the heating mode, why is heat directed toward the floor?

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## Answer Key

Testname: AHAC8\_SHORT6

- 1) In the defog or defrost mode position, the air is directed through the evaporator to remove the moisture from the air before being sent through the heater core to warm the air.  
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- 2) Air enters the duct system from the plenum chamber in front of the vehicle's windshield (outside air).  
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- 3) Most HVAC systems are considered reheat systems in that the incoming air is chilled as it passes through the evaporator. The air is then heated as part or all of the flow passes through the heater core so it reaches the desired in-vehicle temperature.  
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- 4) The three doors include:
  - Air inlet door is used to select outside or inside air inlet
  - Temperature-blend door is used to adjust air temperature
  - Mode door is used to select air discharge locationPage Ref: 77
- 5) Proper temperature control to enhance passenger comfort during heating should maintain an air temperature in the footwell about 7° F to 14°F (4°C to 8°C) above the temperature around the upper body. This is done by directing the heated airflow to the floor.  
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