

Name: _____

Date: _____

1. What is the primary function of a thermostat in a vehicle's cooling system?
 - A. To regulate the flow of coolant to the heater core
 - B. To maintain the engine at a consistent temperature
 - C. To control the speed of the cooling fan
 - D. To monitor the level of coolant in the system

2. What can cause the engine to overheat at highway speeds?
 - A. Low airflow through the radiator
 - B. A defective water pump
 - C. A clogged radiator
 - D. All of the above

3. What is the purpose of the lower air dam in front of vehicles?
 - A. To improve vehicle aesthetics
 - B. To direct air to the automatic transmission cooler
 - C. To help direct air through the radiator
 - D. To reduce vehicle drag

4. What does a P0128 Diagnostic Trouble Code (DTC) indicate in a cooling system?
 - A. Coolant temperature below thermostat regulating temperature
 - B. Overheating engine
 - C. Faulty radiator cap
 - D. Low coolant level

5. What is the role of the pressure cap in a vehicle's cooling system?
 - A. To release excess coolant
 - B. To indicate the coolant level
 - C. To maintain pressure within the system
 - D. To filter the coolant

6. What is a common symptom of a thermostat stuck in the open position?
 - A. Engine overheats rapidly
 - B. Coolant leaks from the thermostat housing
 - C. Engine takes too long to reach operating temperature
 - D. Increased fuel consumption

7. What is the function of a radiator in a vehicle's cooling system?
 - A. To pump coolant through the system
 - B. To absorb heat from the engine and release it to the air
 - C. To control the flow of coolant
 - D. To maintain the coolant at a constant level

8. What could be the cause of a collapsed upper radiator hose when the engine cools?

- A. Defective upper radiator hose
- B. Missing spring from the upper radiator hose
- C. Defective thermostat
- D. Defective radiator pressure cap

9. What is the purpose of a coolant recovery system?

- A. To store excess coolant
- B. To cool down the coolant before it returns to the engine
- C. To filter and clean the coolant
- D. To add coolant to the system automatically

10. What should be checked first if overheating occurs in slow stop-and-go traffic?

- A. Radiator or coolant circulation
- B. Low airflow through the radiator
- C. Coolant level in the system
- D. Condition of the water pump

Automotive Technology 7th Edition

Chapter 18

Multiple Choice Quiz B

Answer Key

1. B

2. D

3. C

4. A

5. C

6. C

7. B

8. D

9. A

10. B