

Automotive Technology 7th Edition
Chapter 18: Cooling System Operation and Diagnosis
Matching Quiz

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|----------------------------|---|-----------|
| 1. Thermostat | A. The rotating component of the water pump that moves coolant. | 1. _____ |
| 2. Radiator | B. A system that allows coolant to expand into a separate tank when hot and return to the radiator when cool. | 2. _____ |
| 3. Pressure Cap | C. Circulates coolant throughout the engine and cooling system. | 3. _____ |
| 4. Coolant Recovery System | D. A passage that allows coolant to circulate within the engine when the thermostat is closed, ensuring even warm-up. | 4. _____ |
| 5. Water Pump | E. Seals the cooling system and raises the boiling point of the coolant. | 5. _____ |
| 6. Cooling Fan | F. A device that regulates engine temperature by controlling coolant flow. | 6. _____ |
| 7. Heater Core | G. A small radiator-like component located in the passenger compartment that provides heat to the cabin using hot engine coolant. | 7. _____ |
| 8. Bypass | H. Draws air through the radiator to aid in cooling, especially at low vehicle speeds. | 8. _____ |
| 9. Impeller | I. A heat exchanger that transfers heat from the coolant to the air. | 9. _____ |
| 10. Core Tubes | J. Passages within the radiator core through which coolant flows. | 10. _____ |

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Answer Key

Answer Key:

1. F
2. I
3. E
4. B
5. C
6. H
7. G
8. D
9. A
10. J