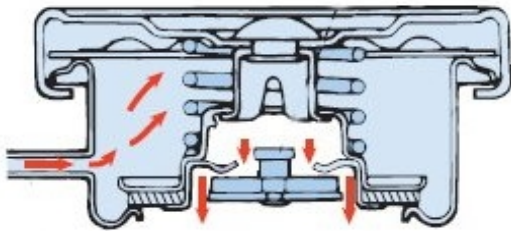


MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) An automotive engine that running at too high of a temperature will have which of these? 1) _____
A) High thermal inefficiency B) High oxides of carbon
C) Excessive oil consumption D) Poor cooling system circulation

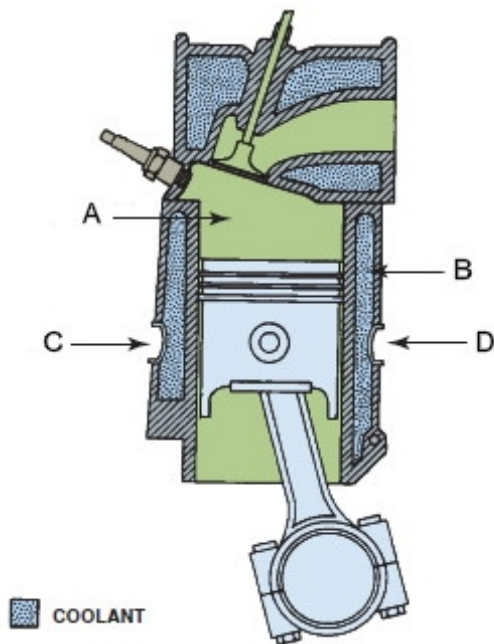
- 2) In this drawing of a radiator cap, what is occurring within the cooling system? 2) _____



- A) The system is cooling down B) The system is overheating
C) Coolant is returning to the radiator D) Both A and C

- 3) If a cooling system operates at too cool of a temperature, the engine will _____. 3) _____
A) Pre-ignite or detonate B) Produce higher emissions
C) Have more efficiency D) Produce more torque

- 4) Which one of these areas is the water jacket? 4) _____



- A) A B) B C) C D) D

- 5) A 5 ribbed serpentine belt should be tensioned at about _____. 5) _____
A) 45 to 60 lbs. B) 150 lbs. C) 75 to 100 lbs. D) None of these
- 6) What type of pump is a typical water pump? 6) _____
A) Rotor B) Vane C) Centrifugal D) Gear
- 7) Electric cooling fans are typically commanded on and off by the _____. 7) _____
A) Thermostat B) Powertrain control module (PCM)
C) Radiator pressure sensor (RPS) D) Cooling system delta sensor
- 8) A customer complains that the heater works sometimes, but sometimes only cold air comes out 8) _____
while driving. Technician A says that the water pump is defective. Technician B says that the
cooling system could be low on coolant. Which technician is correct?
A) Technician A only B) Technician B only
C) Both technicians D) Neither technician
- 9) What can be done to prevent air from getting trapped in the cooling system when the coolant is 9) _____
replaced?
A) Pour the coolant into the radiator slowly.
B) Use a coolant exchange machine that draws a vacuum on the system.
C) Open the air bleeder valves while adding coolant.
D) Either B or C
- 10) Pressurizing the automotive cooling system results in _____. 10) _____
A) Increased coolant warm up rate B) Increased coolant boiling point
C) Reduced engine temperature D) Reduced coolant boiling point