

Name _____

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

- 1) The low-pressure fuel system contains _____. 1) _____
 - A) A transfer pump
 - B) The fuel filters
 - C) A fuel level sending unit/tank pick-up
 - D) All of the above

- 2) What is the purpose of the fuel heater in a diesel fuel system? 2) _____
 - A) Allows higher RPM
 - B) Prevents ice in the fuel
 - C) Prevents gelling in cold weather
 - D) Increases cetane levels

- 3) Which of these is NOT used to manufacture low-pressure fuel lines? 3) _____
 - A) Braided steel
 - B) Nylon
 - C) Plastic
 - D) Rubber

- 4) The most common system for fuel filtering is the _____ filter-type system. 4) _____
 - A) Triple
 - B) Dual
 - C) Piggyback
 - D) Angle

- 5) The volume of fuel being returned to the tank is being discussed. Technician A says that it is normal for a small amount of fuel to be returned to the tank by the high-pressure pump and the injectors. Technician B says that any fuel being returned to the tank by the high-pressure pump or the injectors is an indication of a problem. Which technician is correct? 5) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 6) The diesel fuel cooler is being discussed. Technician A says that high-pressure fuel systems generate a lot of heat. Technician B says that temperature affects the density of the diesel fuel. Which technician is correct? 6) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 7) What is used to condition the fuel before it reaches the high-pressure fuel pump? 7) _____
- A) Fuel filters
 - B) Temperature regulators
 - C) Water separators
 - D) All of the above
- 8) How would the driver know if there is excessive water in the fuel filter? 8) _____
- A) The carpet will get wet.
 - B) The water will be seen dripping beneath the vehicle.
 - C) Water dripping from the tail pipe
 - D) A warning lamp on the dash
- 9) The low-pressure fuel system is being discussed. Technician A says that the system must provide an adequate volume of fuel to the high-pressure fuel injection system. Technician B says that the system must provide fuel at a minimum pressure to the high-pressure fuel injection system. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
- 10) Technician A says that diesel fuel system filters also include a water separator. Technician B says that water from the separator is used to cool the fuel. Which technician is correct? 10) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

Answer Key

Testname: LVDE1_12A

1) D

Page Ref: 135

2) C

Page Ref: 138

3) D

Page Ref: 137

4) B

Page Ref: 138

5) A

Page Ref: 140

6) C

Page Ref: 138

7) D

Page Ref: 138

8) D

Page Ref: 139

9) C

Page Ref: 135

10) A

Page Ref: 138