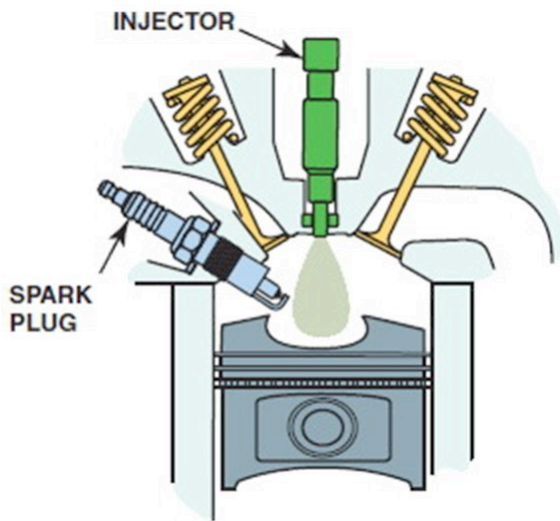


Name _____

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

- 1) GDI equipped engines have a higher efficiency due to a _____ compression ratio. 1) _____
A) Lower
B) Higher
C) Colder
D) Related

- 2) This illustration shows a _____ type of combustion chamber. 2) _____



- A) Wall-guided
B) Spray-guided
C) Tumble-guided
D) Swirl-guided
- 3) Some engines that use a gasoline direct injection system also have port injection. 3) _____
A) True
B) False
- 4) Which mode of operation results in a richer air-fuel mixture near the spark plug? 4) _____
A) Stoichiometric
B) Homogeneous
C) Stratified
D) Knock protection
- 5) When the fuel pressure regulator is deactivated, the fuel pressure defaults to _____. 5) _____
A) High pressure mode
B) Low pressure mode
C) Acceleration mode
D) 60 PSI

- 6) When compared to a port fuel injected engine, a GDI engine will have a(n) _____ 6) _____
compression ratio.
A) Higher
B) Lower
C) Reversed
D) Interrupted
- 7) A gasoline direct injection system can be used to start an engine without the need for a starter. 7) _____
A) True
B) False
- 8) What GDI operating mode is used to burn sulfur from the NO_x catalyst? 8) _____
A) Stratified mode
B) Homogeneous stratified mode
C) Stratified heating mode
D) None of these
- 9) The high-pressure fuel pumps used in gasoline direct injection (GDI) systems are powered by 9) _____
_____.
A) Electricity (DC motor)
B) Electricity (AC motor)
C) The camshaft
D) The crankshaft
- 10) A GDI system operating in stratified mode results in _____. 10) _____
A) The air-fuel mixture being evenly distributed in the combustion chamber
B) A rich air-fuel mixture near the spark plug tip
C) Black smoke from the exhaust
D) None of these

Answer Key

Testname: AEEP8_38B

1) B

Page Ref: 555

2) B

Page Ref: 558

3) A

Page Ref: 559

4) C

Page Ref: 558

5) B

Page Ref: 557

6) A

Page Ref: 555

7) A

Page Ref: 559

8) C

Page Ref: 558

9) C

Page Ref: 555

10) B

Page Ref: 557