

Name _____

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

- 1) When compared to a gasoline engine, the diesel engine may be _____ than a similar size engine. 1) _____
 - A) Quieter
 - B) Lighter
 - C) Heavier
 - D) Easier to start in cold weather

- 2) High pressure common rail fuel injectors are opened by _____. 2) _____
 - A) Solenoids
 - B) Injector pump pressure
 - C) Engine oil pressure
 - D) Either A or C

- 3) The diesel particulate filter in the exhaust system is used to trap _____. 3) _____
 - A) Soot
 - B) Fine sand particles
 - C) Rust from inside the exhaust system
 - D) CO₂ particles

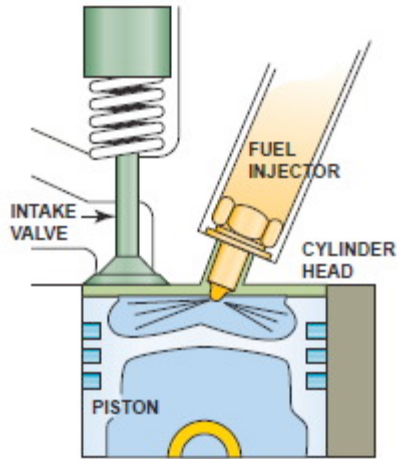
- 4) Which diesel system supplies high-pressure diesel fuel to all of the injectors all of the time? 4) _____
 - A) Distributor
 - B) Inline
 - C) High pressure common rail
 - D) Rotary

- 5) Technician A says that injector nozzles are either opened by the high-pressure pulse from a distributor pump or electrically by the computer on a common rail design. Technician B says that indirect injection (IDI) delivers fuel directly into the combustion chamber. Who is right? 5) _____
 - A) A only
 - B) B only
 - C) Both A and B
 - D) Neither A nor B

- 6) How is diesel fuel ignited in a warm diesel engine? 6) _____
 - A) Glow plugs
 - B) Heat of compression
 - C) Spark plugs
 - D) Distributorless ignition system

7) This diesel engine is the _____ type.

7) _____



- A) Direct injected
- B) Indirect injected
- C) Heat injected
- D) Low compression

8) Which of these takes place during regeneration in a diesel particulate filter (DPF)?

8) _____

- A) The oxygen sensor is being cleaned
- B) Soot is being burned
- C) EGR system is being actively tested
- D) Catalytic converter is being purged

9) Selective catalytic reduction (SCR) uses urea injection to reduce _____ emissions.

9) _____

- A) NO_x
- B) CO₂
- C) H₂O
- D) CO

10) Glow plugs should have high resistance when _____ and lower resistance when _____.

10) _____

- A) Cold/warm
- B) Warm/cold
- C) Wet/dry
- D) Dry/wet

Answer Key

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1) C

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2) D

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3) A

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4) C

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5) A

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6) B

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7) A

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8) B

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9) A

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10) B

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