

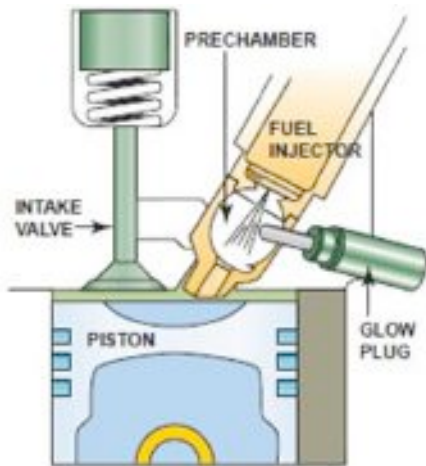
Name _____

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

- 1) A diesel engine should produce at least _____ psi of compression pressure and all cylinders should be within 50 psi of each other. 1) _____
- A) 150
 - B) 250
 - C) 300
 - D) 450

- 2) What part should be removed to test cylinder compression on a diesel engine? 2) _____
- A) Injector
 - B) Intake valve rocker arm and stud
 - C) Glow plug
 - D) Glow plug or injector

- 3) This diesel engine is the _____ type. 3) _____



- A) direct injected
 - B) indirect injected
 - C) heat injected
 - D) low compression
- 4) When compared to a gasoline engine, the diesel engine may be _____ than a similar size engine. 4) _____
- A) quieter
 - B) lighter
 - C) heavier
 - D) easier to start in cold weather

- 5) What fuel system component is used in a vehicle equipped with a diesel engine that is not usually used on the same vehicle when it is equipped with a gasoline engine? 5) _____
- A) Fuel filter
 - B) Fuel supply line
 - C) Fuel return line
 - D) Water-fuel separator
- 6) Which of these takes place during regeneration in a diesel particulate filter (DPF)? 6) _____
- 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.
- 7) What percent of opacity means the exhaust has no visible smoke and does not block light from a beam projected through the exhaust smoke? 7) _____
- A) 0%
 - B) 25%
 - C) 50%
 - D) 100%
- 8) The diesel particulate filter in the exhaust system is used to trap _____. 8) _____
- A) soot
 - B) fine sand particles
 - C) rust from inside the exhaust system
 - D) CO₂ particles
- 9) The diesel exhaust fluid is injected _____. 9) _____
- A) after the oxidation catalyst
 - B) into the exhaust manifold
 - C) just in front of the muffler
 - D) at the end of the tail pipe
- 10) The three phases of diesel ignition include _____. 10) _____
- A) glow plug ignition, fast burn, slow burn
 - B) slow burn, fast burn, slow burn
 - C) ignition delay, rapid combustion, controlled combustion
 - D) glow plug ignition, ignition delay, controlled combustion

Answer Key

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- 1) C
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- 2) D
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- 3) B
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- 4) C
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- 5) D
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- 6) B
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- 7) A
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- 8) A
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- 9) A
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- 10) C
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