

Name _____

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

- 1) Which gas indicates efficiency? (The higher the level of this gas, the more efficient the engine is operating.) 1) _____
 - A) HC
 - B) CO
 - C) CO₂
 - D) O₂

- 2) Most high milage vehicles cannot pass an exhaust emission test. 2) _____
 - A) True
 - B) False

- 3) NO_x readings at idle should be less than _____. 3) _____
 - A) 100 ppm
 - B) 10 ppm
 - C) 1 ppm
 - D) None of these is correct

- 4) Which EPA bin number indicates a cleaner vehicle? 4) _____
 - A) 3
 - B) 8
 - C) 10
 - D) 11

- 5) Technician A says that carbon inside the engine can cause excessive NO_x to form. Technician B says that excessive NO_x could be caused by a cooling system fault causing the engine to operate too hot. Which technician is correct? 5) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 6) Which gas is generally considered to be the rich indicator? (The higher the level of this gas, the richer the air-fuel mixture.) 6) _____
 - A) HC
 - B) CO
 - C) CO₂
 - D) O₂

- 7) Oxides of nitrogen results from a combination of nitrogen and _____. 7) _____
 - A) Hydrogen
 - B) Carbon
 - C) Oxygen
 - D) Nitrogen

- 8) Which of these could be the cause of excessive HC readings? 8) _____
- A) Worn spark plugs
 - B) Loose spark plug wires
 - C) A clogged fuel filter
 - D) All of these
- 9) Some states have a testing program that uses I/M 240 testing procedures. The number 240 refers to _____. 9) _____
- A) The length of the loaded mode test, 240 seconds
 - B) 240 pounds of load to be placed in the passenger seat
 - C) The maximum level of HC emissions, 240 ppm
 - D) None of these
- 10) OBD-II equipped vehicles are required to turn on the malfunction indicator lamp if the system has detected an exhaust emission level that is _____ the FTP limit. 10) _____
- A) 1.5 times or higher than
 - B) The same as
 - C) 1.5 times less than
 - D) None of these

Answer Key

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