

Name _____

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

- 1) HC and CO are high and CO₂ and O₂ are low. This could be caused by a _____. 1) _____
A) rich mixture
B) lean mixture
C) defective ignition component
D) clogged EGR passage
- 2) A clogged EGR could cause excessive _____ exhaust emissions. 2) _____
A) HC
B) CO
C) NO_x
D) CO₂
- 3) A dizzy feeling or a headache could indicate the presence of carbon monoxide (CO). 3) _____
A) True
B) False
- 4) Which EPA bin number indicates a cleaner vehicle? 4) _____
A) 3
B) 8
C) 10
D) 11
- 5) NO_x readings at idle should be less than _____. 5) _____
A) 100 ppm
B) 10 ppm
C) 1 ppm
D) none of these is correct
- 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) After the following exhaust emissions were measured, how was the engine operating? 7) _____
HC = 766 PPM CO₂ = 8.2% CO = 4.6% O₂ = 0.1%
A) Too rich
B) Too lean
C) Normal running
D) Not enough information

- 8) Which gas is generally considered to be the lean indicator? (The higher the level of this gas, the leaner the air-fuel mixture.) 8) _____
- A) HC
 - B) CO
 - C) CO₂
 - D) O₂
- 9) Which gas indicates efficiency? (The higher the level of this gas, the more efficient the engine is operating.) 9) _____
- A) HC
 - B) CO
 - C) CO₂
 - D) O₂
- 10) An OBD-II vehicle testing program uses a tester that connects to the vehicle battery. 10) _____
- A) True
 - B) False