

Name _____

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

- 1) At about what temperature does oxygen combine with the nitrogen in the air to form NO_x? 1) _____
 - A) 2,500°F (1,370°C)
 - B) 1,500°F (815°C)
 - C) 750°F (400°C)
 - D) 500°F (260°C)

- 2) Which emission control device is located in the exhaust system (exhaust manifold or exhaust pipe)? 2) _____
 - A) SAI
 - B) Catalytic converter
 - C) EGR
 - D) EVAP

- 3) Exhaust gas recirculation (EGR) is used to control _____. 3) _____
 - A) NO_x
 - B) CO₂
 - C) HC
 - D) CO

- 4) Technician A says that a carbon (charcoal) canister is used to trap and hold gasoline vapors until they can be purged and run into the engine to be burned. Technician B says that the purpose of the evaporative emission (EVAP) control system is to reduce the release of volatile organic compounds (VOC) into the atmosphere. Who is right? 4) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both A and B
 - D) Neither A nor B

- 5) The catalytic converter _____. 5) _____
 - A) Is located in the exhaust system
 - B) Helps reduce HC and CO into H₂O and CO₂
 - C) Helps reduce NO_x emissions
 - D) All of the above

- 6) The OBD-II system checks the EGR valve for operation by _____. 6) _____
 - A) Drawing a vacuum on the EGR valve
 - B) Opening and closing the EGR valve
 - C) Cycling the DTC system
 - D) Flashing the MIL

- 7) Which EVAP valve(s) is (are) normally closed? 7) _____
A) Canister purge valve
B) Canister vent valve
C) Both canister purge and canister vent valves
D) Neither canister nor canister vent valve
- 8) What emission control system helps reduce the effect of engine blowby? 8) _____
A) PCV
B) SAI
C) EGR
D) EVAP
- 9) The PCV (positive crankcase ventilation) system controls which of these exhaust gases? 9) _____
A) HC
B) CO
C) HC and CO
D) CO₂
- 10) The purpose of the EVAP system is to trap gasoline vapors, also called _____. 10) _____
A) NO_x
B) VOC
C) CO₂
D) CO

Answer Key

Testname: INTRO_32A

1) A

Page Ref: 296

2) B

Page Ref: 300

3) A

Page Ref: 297

4) C

Page Ref: 300

5) D

Page Ref: 300

6) B

Page Ref: 297

7) A

Page Ref: 301

8) A

Page Ref: 297

9) C

Page Ref: 297

10) B

Page Ref: 300