

Name _____

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

- 1) Which emission control device is located in the exhaust system (exhaust manifold or exhaust pipe)? 1) _____
 - A) SAI
 - B) Catalytic converter
 - C) EGR
 - D) EVAP

- 2) Exhaust gas recirculation (EGR) is used to control _____. 2) _____
 - A) NO_x
 - B) CO₂
 - C) HC
 - D) CO

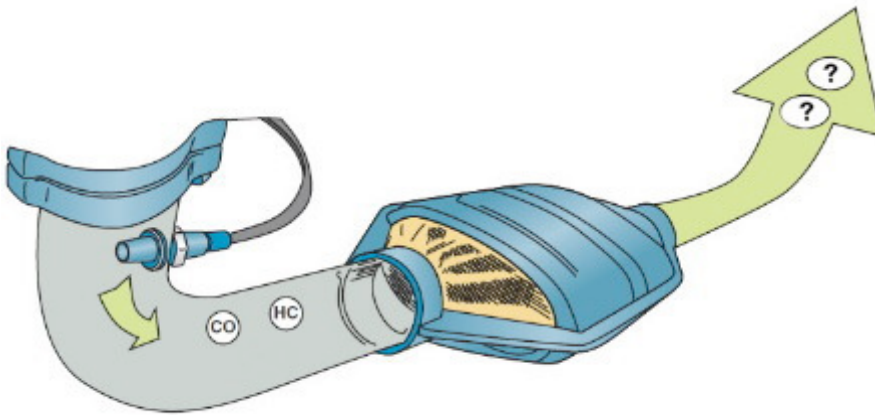
- 3) Which emission control system can turn on a "Check Engine" light if the gas cap is loose? 3) _____
 - A) SAI
 - B) EVAP
 - C) EGR
 - D) PCV

- 4) Smog is _____. 4) _____
 - A) Nitrogen (N)
 - B) Carbon monoxide (CO)
 - C) Ozone
 - D) Carbon dioxide (CO₂)

- 5) The purpose of the EVAP system is to trap gasoline vapors, also called _____. 5) _____
 - A) NO_x
 - B) VOC
 - C) CO₂
 - D) CO

6) This drawing shows a catalytic converter with exhaust gases entering the CAT. What are the gases changed to at the CAT outlet?

6) _____



- A) H₂O and CO₂
- B) HCO and CO
- C) Water and carbon dioxide
- D) Both A and C

7) At about what temperature does oxygen combine with the nitrogen in the air to form NO_x?

7) _____

- A) 2,500°F (1,370°C)
- B) 1,500°F (815°C)
- C) 750°F (400°C)
- D) 500°F (260°C)

8) The OBD-II system checks the EGR valve for operation by _____.

8) _____

- A) Drawing a vacuum on the EGR valve
- B) Opening and closing the EGR valve
- C) Cycling the DTC system
- D) Flashing the MIL

9) What causes the nitrogen and the oxygen in the air to combine and form oxides of nitrogen NO_x?

9) _____

- A) Sunlight
- B) Any spark
- C) Heat above 2500°F (1370°C)
- D) Chemical reaction in the catalytic converter

10) The catalytic converter _____.

10) _____

- 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

Answer Key

Testname: INTRO_32B

1) B

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2) A

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3) B

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4) C

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5) B

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6) D

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7) A

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8) B

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9) C

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10) D

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