

Name _____

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

- 1) Technician A says that CO and HC levels should increase if the AIR hoses are pinched off. Technician B says that a defective drive belt may cause AIR system problems. Which technician is correct? 1) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 2) A P0410 DTC indicates a problem with _____. 2) _____
 - A) the SAI solenoid
 - B) MAF airflow
 - C) the idle control system
 - D) none of these

- 3) What term is used to describe combustion gasses leaking past cylinder rings? 3) _____
 - A) Blow by
 - B) Manifold pressure
 - C) Sludge
 - D) Crankcase build-up

- 4) All engines are equipped with a PCV valve. 4) _____
 - A) True
 - B) False

- 5) Where is the output of the AIR pump directed when the engine is cold? 5) _____
 - A) Exhaust manifold
 - B) Catalytic converter
 - C) Air cleaner assembly
 - D) To the atmosphere

- 6) The PCV system controls which exhaust emission(s)? 6) _____
 - A) HC
 - B) CO
 - C) NO_x
 - D) Both A and B

- 7) Two technicians are discussing exhaust check valves used in SAI systems. Technician A says that they are used to prevent the output from the SAI pump from entering the intake manifold. Technician B says the check valves are used to keep the exhaust from entering the AIR pump. Which technician is correct? 7) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

8) Technician A says that if a PCV valve rattles, then it is okay and does not need to be replaced. Technician B says that if a PCV valve does not rattle, it should be replaced. Which technician is correct? 8) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

9) Technician A says that PCV valves should rattle when shaken. Technician B says that a defective PCV system may cause leaking engine seals. Which technician is correct? 9) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

10) The SAI system is used to reduce which exhaust emission? 10) _____

- A) HC
- B) CO
- C) NO_x
- D) Both HC and CO