

Name \_\_\_\_\_

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

- 1) A lateral acceleration sensor is used to provide the suspension control module with feedback regarding \_\_\_\_\_ force. 1) \_\_\_\_\_
  - A) cornering
  - B) acceleration
  - C) braking
  - D) all of the above
  
- 2) Which sensor provides input regarding cornering forces? 2) \_\_\_\_\_
  - A) Yaw sensor
  - B) Lateral accelerometer
  - C) Potentiometer
  - D) None of these
  
- 3) What type signal is produced by a potentiometer? 3) \_\_\_\_\_
  - A) Analog
  - B) Digital
  - C) Pulse width modulated
  - D) None of these
  
- 4) Technician A says that comparing height sensors from side to side allows the ECM to calculate acceleration force. Technician B says that only Hall-effect sensors are used as height sensors. Which technician is correct? 4) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 5) Technician A says that comparing the front vehicle height sensors to the rear sensors allows the ECM to determine body roll created by cornering force. Technician B says that vehicle height sensors are only located on the rear. Which technician is correct? 5) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 6) Two technicians are discussing electronic leveling systems. Technician A says that a weight should be placed in the vehicle as part of the diagnostic procedure. Technician B says that many ride height sensors are adjustable. Which technician is correct? 6) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

- 7) A bi-state damper uses an electrical actuator instead of a solenoid. 7) \_\_\_\_\_  
A) True  
B) False
- 8) A steering wheel position sensor is being discussed. Technician A says that the sensor is used to determine the direction of the steering wheel. Technician B says that the sensor detects how fast the steering wheel is turned. Which technician is correct? 8) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 9) How many wires are used with a potentiometer-type sensor? 9) \_\_\_\_\_  
A) Three  
B) Two  
C) One  
D) Four
- 10) Technician A says that an electronic control module used in the suspension system is the same as that used for engine control. Technician B says that most electronically controlled suspension systems use a separate electronic control module. Which technician is correct? 10) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician