

Name _____

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

- 1) Which of the following is NOT a type of automotive spring?
 - A) Leaf spring
 - B) Coil spring
 - C) Torsion bar
 - D) Nylon spring

- 2) Which component is used on FWD vehicles to support the engine and transmission?
 - A) Cradle
 - B) Perimeter frame
 - C) Ladder frame
 - D) Body mount

- 3) What frame design combines the body with the structure of the frame?
 - A) Unit body
 - B) Ladder frame
 - C) Perimeter frame
 - D) Full frame

- 4) What component(s) is(are) considered to be unsprung weight?
 - A) Frame
 - B) Body
 - C) Wheels and tires
 - D) Both A and B

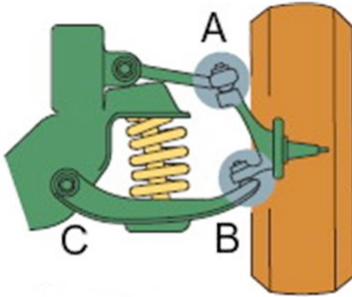
- 5) Technician A says that torsion bars can be re-installed on either side of the vehicle. Technician B says that torsion bars are often used on 4×4 trucks. Who is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 6) Which law states that the deflection of a spring is directly proportional to the applied force?
 - A) Hooke's law
 - B) Pascal's law
 - C) Newton's law
 - D) Halderman's law

- 7) Technician A says that each coil spring is specifically engineered to be installed on one particular side of the vehicle. Technician B says that rubber spring pockets prevent excessive noise. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 8) What is the purpose of bump stops?
- A) To raise the vehicle body
 - B) Assist in steering
 - C) Smooth out road shocks
 - D) Isolate the suspension from the frame of the vehicle

- 9) In this illustration, which ball joint is the load carrying ball joint?



- A) A
 - B) B
 - C) C
 - D) None of these
- 10) What suspension component is used to counteract body lean during cornering?
- A) Torsion bar
 - B) Strut rod
 - C) Stabilizer bar
 - D) Control arm

Answer Key

Testname: ASSA8_7B

- 1) D
Page Ref: 119
- 2) A
Page Ref: 118
- 3) A
Page Ref: 118
- 4) C
Page Ref: 119
- 5) B
Page Ref: 127
- 6) A
Page Ref: 120
- 7) C
Page Ref: 122-123
- 8) D
Page Ref: 140
- 9) B
Page Ref: 131
- 10) C
Page Ref: 133