

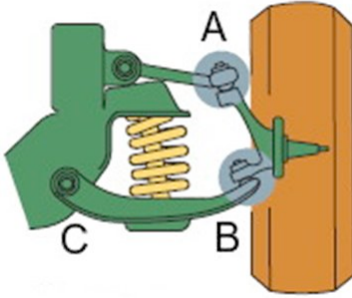
Name \_\_\_\_\_

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

- 1) Two technicians are discussing torsion bars. Technician A says that many torsion bars are adjustable to allow for ride height adjustment. Technician B says that torsion bars are usually marked left and right and should not be switched side to side. Which technician is correct? 1) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 2) What is the purpose of bump stops? 2) \_\_\_\_\_
- 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
- 3) Technician A says that a constant rate spring has the same deflection rate throughout its entire range of compression. Technician B says that some coil springs have different diameters at the top and bottom of the spring. Which technician is correct? 3) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 4) Technician A says that regular replacement shock absorbers will raise the rear of a vehicle that is sagging down. Technician B says that replacement springs will be required to restore the proper ride height. Which technician is correct? 4) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

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

5) \_\_\_\_\_



- A) A
- B) B
- C) C
- D) None of these

6) Two technicians are discussing air shocks. Technician A says that air is forced through small holes to dampen the ride. Technician B says that air shocks are conventional hydraulic shock absorbers with an airbag to control vehicle ride height. Which technician is correct?

6) \_\_\_\_\_

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

7) What term describes the basic shape and size of a vehicle?

7) \_\_\_\_\_

- A) Platform
- B) Wheelbase
- C) Track
- D) Profile

8) The owner of a pickup wants to cut the coil springs to lower the vehicle. Technician A says that the ride will be harsher than normal if the springs are cut. Technician B says that the springs could be damaged, especially if a cutting torch is used to cut the springs. Which technician is correct?

8) \_\_\_\_\_

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

9) A center bolt is used in what type of spring?

9) \_\_\_\_\_

- A) Coil
- B) Leaf
- C) Torsion bar
- D) All of the above

- 10) Technician A says that all automotive coil springs have the same number of coils. Technician B says that coil spring spacers can cause damage to the spring. Which technician is correct? 10) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician