Quiz 7. Suspension system

**WRITTEN TEST**

1. List the three types of springs that are used in suspension systems.

a. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Technician A says worn stabilizer bushings may cause squeaks as the vehicle moves down a bumpy road. Technician B says worn or dry control arm bushings may squeak as the vehicle moves down a bumpy road. Who is correct?

a. Technician A c. Both A and B

b. Technician B d. Neither A nor B

3. Technician A says a weak stabilizer bar can cause excessive body sway when driving on an irregular road surface. Technician B says a weak stabilizer bar can cause wear on the inside edges of the front tires. Who is correct?

a. Technician A c. Both A and B

b. Technician B d. Neither A nor B

4. Which of the following statement is not true?

a. If the vehicle has lower than normal ride height at one wheel, the vehicle will tend to pull to one side.

b. If the vehicle has lower than normal ride height at the front wheels, the vehicle will have reduced directional stability.

c. If the vehicle has lower than normal ride height at the front wheels, the vehicle will experience rapid steering wheel return.

d. If the vehicle has lower than normal ride height at the rear wheels, extra effort will be required to steer the vehicle.

5. In what direction does the body of a vehicle naturally lean while making a turn to the light?

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6. What is meant when the shock absorber device inside a serviceable strut is referred to as “wet”?

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7. What connects the steering knuckle to the control arms?

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8. What cannot be maintained if the control arms bushing are not in good condition?

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9. List three indications of shock absorber failure.

a. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. Technician A says if there is a dent in the strut tube, it should be replaced. Technician B says if a strut is leaking fluid, it should be replaced. Who is correct?

a. Technician A c. Both A and B

b. Technician B d. Neither A nor B