

Automotive Technology 7<sup>th</sup> Edition  
Chapter 112: Front Suspension and Service  
Short Answer Quiz

Name:

Date:

1. What is the significance of performing a road test with the vehicle owner when diagnosing suspension-related problems?
2. Describe the four symptoms that indicate worn or defective shock absorbers.
3. Explain the procedure for replacing front shock absorbers on an SLA-type suspension vehicle.
4. What is the testing procedure for ball joints, and how does it differ for axial and radial movement?
5. Discuss the proper method for removing tapered suspension components and why it's important.

Automotive Technology 7<sup>th</sup> Edition  
Chapter 112: Front Suspension and Service  
Short Answer Quiz

Name:

Date:

6. What are the disadvantages of a solid front axle on a vehicle, and how do they affect vehicle performance?

7. Define the term "strut rod" and explain its function in the suspension system.

8. How does driving into driveways and in reverse while turning help in diagnosing suspension problems?

9. What are the steps involved in replacing a steering knuckle, and why is each step important?

10. Discuss the role of the upper and lower control arms in an SLA suspension system and how their lengths affect vehicle dynamics.