

Automotive Technology 7<sup>th</sup> Edition  
Chapter 96: Brake Fluid, Lines, and Bleeding  
Short Answer Quiz

Name:

Date:

1. Describe the properties of brake fluid and explain why these properties are critical for the operation of a hydraulic brake system.
2. Explain the differences between DOT 3, DOT 4, DOT 5, and DOT 5.1 brake fluids and the implications of these differences for vehicle maintenance.
3. Outline the steps involved in the manual bleeding procedure of a hydraulic brake system and discuss why each step is necessary.
4. Discuss the advantages and disadvantages of vacuum bleeding compared to pressure bleeding in hydraulic brake systems.
5. Explain the process of gravity bleeding a hydraulic brake system and when this method would be most appropriate to use.

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6. Describe the procedure for bleeding an ABS hydraulic unit and why it is important to follow the specific steps outlined by vehicle manufacturers.

7. Explain the significance of changing brake fluid regularly and the potential consequences of neglecting this maintenance.

8. Discuss the purpose of armored brake lines and the conditions under which they are typically used.

9. Describe how to properly inspect brake hoses and lines for faults and the potential risks associated with damaged components.

10. Explain the importance of the brake fluid boiling point and how it affects the performance of the brake system, especially under extreme conditions like those experienced on Pike's Peak.