

Automotive Technology 7<sup>th</sup> Edition  
Chapter 98: Drum Brakes  
Short Answer Quiz

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Explain the difference between forward and rearward facing drum brake shoes and their installation requirements.

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2. Describe the function of the shoe support pads (also called ledges) on a drum brake backing plate.

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3. Discuss the role of the wheel cylinder in a drum brake system and how it transfers hydraulic pressure.

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4. What is the self-energizing action in a dual-servo brake system and how does it affect the braking force?

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5. Explain the concept of a labyrinth seal in the context of drum brakes and its significance.

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

6. Describe the differences between the primary and secondary shoe in a drum brake system and their respective functions.

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7. What are the two main methods used to mount brake linings to the brake shoe?

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8. Discuss the purpose of piston stops in a drum brake system and the consequences of their absence.

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9. Explain the operation of drum brake self-adjusters and the conditions under which they may over-adjust.

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10. Describe the various types of brake fade, including mechanical, lining, and gas fade, and their causes.

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