

Automotive Technology 7th Edition
Chapter 14: Preventative Maintenance and Service Procedures
Short Answer Quiz

Name: _____ Date: _____

1. How is the interval for preventative maintenance often expressed, and what are the typical intervals provided for time and miles?

2. Before starting preventative maintenance on a vehicle, what three preliminary steps should be taken to ensure safety?

3. Describe the difference between DOT 3, DOT 4, DOT 5, and DOT 5.1 brake fluids. What are the specific characteristics and cautions associated with each type?

4. How does the brake fluid change in response to the absorption of moisture over time, and what potential brake pedal problem can arise due to this?

5. What are the recommended engine oil change intervals, and how do oil life monitor systems assist drivers in managing these intervals?

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6. Under what conditions should automatic transmission fluid levels be checked, and how does the procedure differ for Honda and Acura vehicles compared to others?

7. Describe the consequences of overfilling the automatic transmission/transaxle with ATF. What causes ATF to foam and why is it problematic?

8. How is the condition of ATF in Chrysler-built vehicles since the 2000 model year different from others when it comes to determining its condition based on color and smell?

9. Explain the procedure for checking power steering fluid and the importance of using the correct type of fluid for specific vehicles.

10. Describe the potential issues that arise if tire pressure is checked or adjusted when the tires are hot and how air temperature changes can affect tire pressure.
