

Automotive Technology 7<sup>th</sup> Edition  
Chapter 74: Fuel Pumps, Lines, and Filters  
Short Answer Quiz

Name:

Date:

1. Describe the design features of a turbine impeller in a fuel delivery system and explain how it minimizes pump harmonic noise and vapor from liquid fuel.
2. What is the function of the pressure relief valve and the RFI suppression module in the end cap assembly of a fuel delivery system?
3. Explain the role of the check valve in the upper fuel pipe connector assembly and how it contributes to the fuel delivery process.
4. Discuss the importance of using materials with high resistance to oxidation and deterioration for fuel-injection hoses, and why spring-type clamps are not suitable for these systems.
5. What are the specific requirements for fuel-injection fittings and nylon lines to ensure leakproof connections, and how do they differ from other types of fuel system fittings?

