

Automotive Technology 6th Edition

Chapter 70 – Diesel and Biodiesel Fuels

Lesson Plan

CHAPTER SUMMARY:



1. Diesel fuel, biodiesel, and E-diesel fuel
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OBJECTIVES:



1. Explain diesel fuel specifications and API gravity.
 2. List the advantages and disadvantages of biodiesel.
 3. Explain e-diesel specifications.
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RESOURCES: (All resources may be found at <http://www.jameshalderman.com>)



1. **Task Sheet:** Diesel Fuel
 2. **Task Sheet:** Biodiesel Fuel
 3. Chapter PowerPoint
 4. Chapter Crossword Puzzle and Word Search
 5. Videos: What is Biodiesel? (time 6:19) and The value of high quality, differentiated diesel fuel (time 4:36)
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ACTIVITIES:



1. **Task Sheet:** Have students complete Diesel Fuel Task Sheet.
 2. **Task Sheet:** Have students complete Biodiesel Fuel Task Sheet.
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ASSIGNMENTS:



1. Chapter crossword and word search puzzles.
 2. Complete end of chapter 10 question quiz.
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CLASS DISCUSSION:



1. Review and group discussion chapter [Frequently Asked Questions](#) and [Tech Tips](#) sections.
 2. Review and group discussion of the five (5) chapter [Review Questions](#).
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NOTES AND EVALUATION:

