

## Chapter 2 Thermodynamics An Engineering Approach

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Thermodynamics: An Engineering Approach, 6 Edition

Q2.2 . Homework 1 . Concept of a thermodynamic system (VW, S & B: 2.1) A quantity of matter of fixed identity, boundaries may be fixed or movable, can transfer heat and work across boundary but not mass . Identifiable volume with steady flow in and out, a control volume. Often more useful way to view devices such as engines

UNIFIED ENGINEERING Thermodynamics Chapter 2

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Thermodynamics An Engineering Approach

CHAPTER 2 ENERGY, ENERGY TRANSFER, AND GENERAL ENERGY ANALYSIS Cheng-Ying Chou Thermodynamics: An Engineering Approach Yunus A. Çengel, Michael A. Boles. 2 Objectives • Introduce the concept of energy and define its various forms. • Discuss the nature of internal energy. • Define the concept of heat and the terminology associated with energy transfer by heat.

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