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PART I—MACROSCOPIC FLUID MECHANICS CHAPTER

1—INTRODUCTION TO FLUID MECHANICS 1.1 Fluid Mechanics in Chemical Engineering 3 1.2 General Concepts of a Fluid 3 1.3 Stresses, Pressure, Velocity, and the Basic Laws 5 1.4 Physical Properties—Density, Viscosity, and Surface Tension 10 1.5 Units and Systems of Units 21 Example 1.1—Units Conversion 24

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means that the answer is given in Appendix D of the book. \_\_\_\_\_

1.1 Laws Used, Newton's laws of motion, conservation of mass, first and second laws of thermodynamics.

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