

Introduction To Material Energy Balances Solution

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Chapter 4 MATERIAL BALANCES AND APPLICATIONS
Chapter 6 Introduction to Material Balance: Material balance involves calculations the quantities of all materials that enter and leave any system or process which are based on the principle of the "law of conversation of mass". This law states that matter is neither created nor destroyed in the process and the total mass remains unchanged.

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In order to write an energy balance, we need to know what kinds of energy can enter or leave a system. Here are some examples (this is not an exhaustive list by any means) of the types of energy that can be gained or lost. A system could gain or lose kinetic energy, if we're analyzing a moving system.

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