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proportion of the total cost of production

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identifying, quantifying and monitoring

the unknown losses. This course

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edition ...When we learned material balances, we were able to track the movement of chemical species throughout a system or process. Another important aspect of process analysis is the determination of the energy requirements and temperatures around systems.

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Introduction to Material and Energy Balances

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Introduction to material & energy balances, by G. V. Reklaitis (with contributions by Daniel R. Schneider), John Wiley & Sons, 1983, 683 pages, \$33.95. Please review our Terms and Conditions of Use and check box below to share full-text version of article. Use the link below to share a full-text version of this article with your friends and colleagues.

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Statement: ... Estimate the energy release (in grams of TNT) from acetone combustion at the lower and upper flammability limits. (iii) Vary the sliders and write a set of conclusions.

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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