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Chemical engineering is a branch of engineering that uses principles of chemistry, physics, mathematics, biology, and economics to efficiently use, produce, design, transport and transform energy and materials. The work of chemical engineers can range from the utilisation of nano-

technology and nano-materials in the laboratory to large-scale industrial processes that convert chemicals, raw ...

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The basic physical operations of chemical engineering in a chemical process plant, that is distillation, fluid transportation, heat and mass transfer, evaporation, extraction, drying, ...

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Chapter 1 Introduction. Unit operations take raw materials and convert them into the desired product(s): heat, electricity, work, new chemical species, and species with improved purity.

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