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# Basic Biochemistry

University notes for chemical engineers

This booklet, as the title tells us, does not aim at giving comprehensive biochemistry knowledge. Instead it would like to give a short overview of the biochemical pathways and their connections. The first part of the booklet gives basic knowledge from the field of general chemistry and basic cell biology. The second part focuses to the basic principles of enzymology and bioenergetics. This part gives background to the metabolic processes discussed in the third block of the booklet. The energy producing processes such as the oxidative phosphorylation and the photosynthesis is embedded into this metabolic part. This metabolic part is followed by the forth, last part of the book which discuss the basics of molecular biology.

Keywords: biochemistry, molecular biology, general chemistry, basic cell biology, enzymology, bioenergetics

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