

Biology of Life

Biochemistry, Physiology and Philosophy

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Biology of Life: Biochemistry, Physiology and Philosophy provides foundational coverage of the field of biochemistry from a different angle to the traditional biochemistry text by focusing on human biochemistry and incorporating related elements of evolution to help further contextualize this dynamic space. This unique approach includes sections on early human development, what constitutes human life and what makes it special. Additional coverage on the differences between the biochemistry of prokaryotes and eukaryotes is also included. The center of life in prokaryotes is considered to be photosynthesis and sugar generation while the center of life in eukaryotes is sugar use and oxidative phosphorylation. This unique reference will inform specialized biochemistry courses and researchers in their understanding of the role biochemistry has in human life.

Key Features

- Contextualizes the field of biochemistry and its role in human life
- Includes dedicated sections on human reproduction and human brain development
- Provides extensive coverage on biochemical energetics, oxidative phosphorylation, photosynthesis and carbon monoxide-acetate pathways



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