

biology textbook pdf

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biology textbook pdf: Engineering the Environment David P. D. Munns, 2017-07-19

Promising an end to global hunger and political instability, huge climate-controlled laboratories known as phytotrons spread around the world to thirty countries after the Second World War. The United States built nearly a dozen, including the first at Caltech in 1949. Made possible by computers and other novel greenhouse technologies of the early Cold War, phytotrons enabled plant scientists to experiment on the environmental causes of growth and development of living organisms. Subsequently, they turned biologists into technologists who, in their pursuit of knowledge about plants, also set out to master the machines that controlled their environment. Engineering the Environment tells the forgotten story of a research program that revealed the shape of the environment, the limits of growth and development, and the limits of human control over complex technological systems. As support and funding for basic science dwindled in the mid-1960s, phytotrons declined and ultimately disappeared—until, nearly thirty years later, the British built the Ecotron to study the impact of climate change on biological communities. By revisiting this history of phytotrons, David Munns reminds us of the vital role they can play in helping researchers unravel the complexities of natural ecosystems in the Anthropocene.

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Casey Luskin, Joseph M. Holden, 2021-10-05 Science and Faith Can—and Do—Support Each Other Science and Christianity are often presented as opposites, when in fact the order of the universe and the complexity of life powerfully testify to intelligent design. With this comprehensive resource that includes the latest research, you'll witness how the findings of scientists provide compelling reasons to acknowledge the mind and presence of a creator. Featuring more than 45 entries by top-caliber experts, you'll better understand... how scientific concepts like intelligent design are supported by evidencethe scientific findings that support the history and accounts found in the Biblethe biases that lead to scientific information being presented as a challenge—rather than a complement—to Christianity Whether you're looking for answers to your own questions or seeking to explain the case for intelligent design to others, The Comprehensive Guide to Science and Faith is an invaluable apologetic tool that will help you explore and analyze the relevant facts, research, and theories in light of biblical truth.

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