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Evolution on Planet Earth

The Impact of the Physical Environment

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9 - The impact of gravity on life

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Publisher Summary

Gravity is a well-known but little understood physical force. Its intensity and direction have been constant throughout evolutionary history on the Earth. This simple fact masks the complexity of gravity as an evolutionary force. This chapter explores gravity, its impact on life when gravity changes, necessity of gravity for life, and the role of gravity in the evolution of life on the Earth. Life from the cellular level through adult humans exposed to spaceflight is briefly examined and examples from spaceflight and ground-based experiments are discussed in the chapter. Studies suggest that changes in orientation of a species with respect to the direction of a gravitational force without an alteration in the magnitude of gravity may play a role in the evolution of that species on the Earth. Gravity may determine the location and size of internal organs such as the heart. The conclusion from these studies suggests that gravity is necessary for life.

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Change and Prosper, the versatile five-stage loud pyramid, of course, shifts magnetism regardless of the effects of penetration of methylcarbiol inside.