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Influence of sunlight and atmospheric pressure on the synthesis of Ca (II), Ba (II) and Sr (II) silica-carbonate biomorphs

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Abstract

To explain and understand the chemical origin of life, theories have been postulated for decades and some of them have gone from mere postulates to evidences that have contributed to science in this direction. Several research groups have developed study models elucidating which could have been the first forms of life; in this sense, calcium, strontium, or barium silica carbonates have been synthesized in vitro that emulate morphologies of organisms. Aimed at understanding better the influence of sunlight and atmospheric pressure in the formation of different chemical structures, the importance of the different types of physical abiotic factors in the origin of life are reviewed, as well as their influence on the morphology of biomorphs.

About

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