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Astrochemistry, by Andrew Shaw (textbook) 2. Ion chemistry and the interstellar medium , Theodore P. Snow and Veronica M. Bierbaum, Ann. Rev.

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A more recent study in which pure CO ice was irradiated with an MDHL at 15–18 K showed a photodesorption yield of 2.7×10^{-3} molecules photon⁻¹ (Oberg et al. 2007).

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Astrochemistry describes the chemical history of the Universe, our solar system, and our planet. It explores in some detail the 'alien' chemistry occurring in interstellar gas clouds, the regions where stars and planets are formed, and also looks at the theoretical and experimental methods that allow us to carry out Earth-based studies of astrochemistry.

Astrochemistry | Essential Textbooks in Chemistry

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Astrochemistry and Cosmochemistry are the study of the chemical elements and chemical compounds, that can be found in the outerspace, in stars, planets, comets, meteorits, interstellar matter etc. Astrochemistry is closely linked with physics, specifically astrophysics.

Astrochemistry

Abstract We discuss models that astrochemists have developed to study the chemical composition of the interstellar medium. These models aim at computing the evolution of the chemical composition of a mixture of gas and dust under as-trophysical conditions. These conditions, as well as the geometry and the physical

Chapter 4: Astrochemistry: Synthesis and Modelling - arXiv

to study planets and stars; in the last century, advanced telescopes have allowed us to see even farther. Until recently, though, something has been missing from scientists's™ understanding of space. What are those stars's"and the space between them's"made of? Spectral Identities Astrochemistry focuses on the chemical makeup of stars and inter-

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