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## Crystallization process of amorphous silicates

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Recent observations show the presence of crystalline Mg-rich silicates in various objects such as comets and circumstellar regions around stars. Until now, many crystallization experiments have been performed by annealing Mg silicates. Recently, Kaito et al. (2007,ApJ. 666, L57) demonstrated a possibility of chemical-reaction-driven crystallization. We examined this process theoretically and obtained the crystallization conditions of amorphous silicates.