

## Behavior of elements at the initial stage of apatite dissolution

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Behavior of Eu and Nd during dissolution of apatite have been examined by RBS and RNRA. RBS spectrum shows that Eu and Nd were penetrated into apatite. Depth profiles of Eu and Nd are in good correlation to that of hydrogen. Thus, hydrogen was penetrated into apatite, followed by the fixation of Eu and Nd.