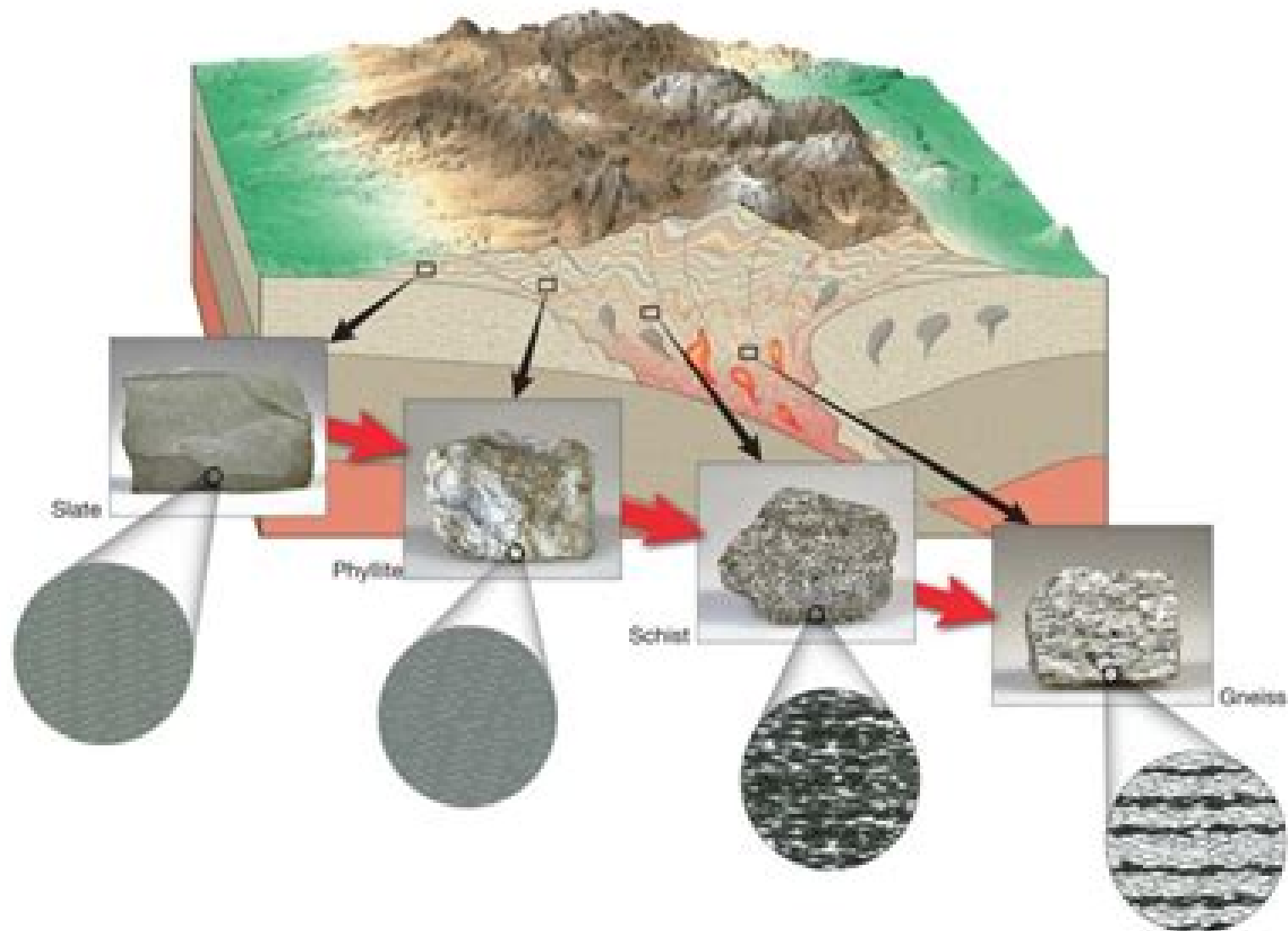


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Low Grade Metamorphism

Xiaolong Qi



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U.S. Geological Survey Circular, 1933 **Encyclopedia of Geology**, 2020-12-16 Encyclopedia of Geology Second Edition presents in six volumes state of the art reviews on the various aspects of geologic research all of which have moved on considerably since the writing of the first edition New areas of discussion include extinctions origins of life plate tectonics and its influence on faunal provinces new types of mineral and hydrocarbon deposits new methods of dating rocks and geological processes Users will find this to be a fundamental resource for teachers and students of geology as well as researchers and non geology professionals seeking up to date reviews of geologic research Provides a comprehensive and accessible one stop shop for information on the subject of geology explaining methodologies and technical jargon used in the field Highlights connections between geology and other physical and biological sciences tackling research problems that span multiple fields Fills a critical gap of information in a field that has seen significant progress in past years Presents an ideal reference for a wide range of scientists in earth and environmental areas of study

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and the influence of pressure temperature and solid solution on atomistic models Behavior of micas at high pressure and high temperature Structural features of micas Crystallographic basis of polytypism and twinning in micas Investigation of micas using advanced transmission electron microscopy Optical and Mossbauer spectroscopy of iron in micas Infrared spectroscopy of micas X ray absorption spectroscopy of the micas Constraints on studies of metamorphic K Na white micas Modal spaces for pelitic schists Phyllosilicates in very low grade metamorphism Transformation to micas Historical perspective

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