



## Principles of Igneous and Metamorphic Petrology (2nd Edition)

By Winter, John D.

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### 3. Some Fundamental Concepts.

Typical texts on igneous and metamorphic petrology are geared to either advanced or novice petrology students. This unique text offers comprehensive, up-to-date coverage of both igneous and metamorphic petrology in a single volume—and provides the quantitative and technical background required to critically evaluate igneous and metamorphic phenomena in a way that students at all levels can understand. A concentration on the processes and principles involved in the generation of igneous and metamorphic rocks (rather than on lists of details to be memorized) enables students to develop a deeper understanding, a more lasting knowledge, and skills that will prove valuable beyond the classroom. Typical texts on igneous and metamorphic petrology are geared to either advanced or novice petrology students. This unique text offers comprehensive, up-to-date coverage of both igneous and metamorphic petrology in a single volume—and provides the quantitative and technical background required to critically evaluate igneous and metamorphic phenomena in a way that students at all levels can understand. From Chapter 1 of Principles of Igneous and Metamorphic Petrology, Second Edition, John D. Winter. Copyright © 2010 by Pearson Education, Inc. Published by Pearson Prentice Hall. All rights reserved. 3. Some Fundamental Concepts. Principles of Igneous and has been added to your Cart. Add to Cart. Buy Now. Now Professor of Geology at Whitman College in Walla Walla, Washington, his principal fields of interest are in metamorphic petrology, mineralogy and crystallography, and geochemistry. He has spent several summers in Greenland, a summer in Labrador, and another in Norway, where he studied processes that take place during the formation and subsequent development of the ancient deep continental crust. He is also working on contact metamorphism in the Wallowa Mountains of NE Oregon. Briefly, he also worked as an exploration geologist in New Guinea.