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Geochemical Thermodynamics

By Kirk Darrell Nordstrom, L. James Munoz

The Blackburn Press, United States, 2006. Paperback. Book Condition: New. 226 x 150 mm. Language: English . Brand New Book ***** Print on Demand *****.Geochemical Thermodynamics (Second Edition), first published in 1994, takes the reader beyond the fundamental principles of thermodynamics to true geochemical applications. You will find the most complete coverage of the phase rule, chemography, solid solutions, ionic activities in the mixed aqueous electrolytes, and chemical potential diagrams for multiphase systems, plus other concepts central to geochemical theory. New sections include thermobarometry applications for igneous and metamorphic rocks; expanding information on electrolytes at high temperature and pressure; a new chapter on geochemical modeling; and substantially updated and expanded references. A singularly attractive feature is a new appendix containing internally consistent enthalpies, entropies, heat capacities, and free energies, and equilibrium constants for a limited number of elements, ions, non-silicate minerals, and reactions at 298.15K and 1 atmosphere that are particularly useful for hydrogeochemical modeling. Throughout, there is an emphasis on environmentally relevant examples and applications.



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Reviews

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