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Abstract. Recognizes that modern physical chemistry is based on quantum mechanics and that it makes pedagogical sense to begin with the atomic and molecular perspective and use it to build a firm understanding of macroscopic phenomena.

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This is the textmap for the Physical chemistry textbook by McQuarrie and Simon.

Map: Physical Chemistry (McQuarrie and Simon)

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The Journal of Physical Chemistry A (ACS Publications)

As the first modern physical chemistry textbook to cover quantum mechanics before thermodynamics and kinetics, this book provides a contemporary approach to the study of physical chemistry. By beginning with quantum chemistry, students will learn the fundamental principles upon which all modern physical chemistry is built.

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Physical chemistry, in contrast to chemical physics, is predominantly (but not always) a macroscopic or

supra-molecular science, as the majority of the principles on which it was founded relate to the bulk rather than the molecular/atomic structure alone (for example, chemical equilibrium and colloids).

Physical chemistry - Wikipedia

Physical chemistry is the study of how matter behaves on a molecular and atomic level and how chemical reactions occur. Based on their analyses, physical chemists may develop new theories, such as how complex structures are formed.

Physical Chemistry - American Chemical Society

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3: The Schrödinger Equation and a Particle in a Box

This section provides lecture notes and supplements from the course along with a list of lecture topics. ... Chemistry Â» Physical Chemistry II Â» Lecture Notes ... Molecular partition function: replace E (assembly) by $\hat{\mu}$ (molecule)

Lecture Notes | Physical Chemistry II | Chemistry | MIT

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