

**THE UNIVERSITY OF CHICAGO**  
**DEPARTMENT OF CHEMISTRY**  
**PHYSICAL CHEMISTRY**

**PHYSICAL CHEMISTRY**

PHYSICAL CHEMISTRY is the study of the properties and behavior of matter at the molecular level. It is concerned with the structure, properties, and interactions of atoms, molecules, and ions, and with the processes of chemical change. The subject is divided into several branches, including thermodynamics, quantum mechanics, statistical mechanics, and reaction kinetics. The study of physical chemistry is essential for understanding the fundamental principles of chemistry and for developing new materials and processes.

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