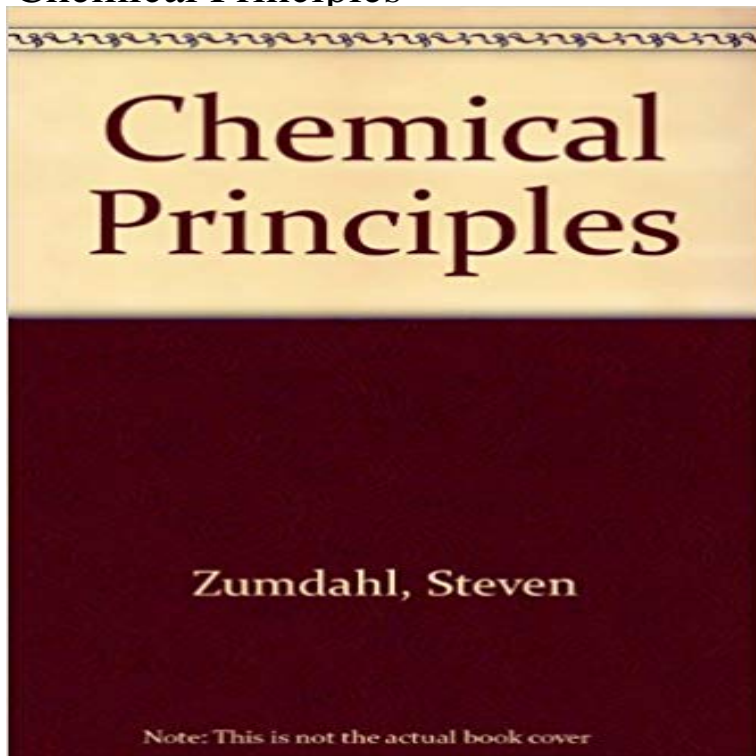


Chemical Principles



Although Chemical Principles is intended for students with solid mathematical preparation and prior exposure to chemistry, the author does not assume that students have a sophisticated grasp of chemical concepts. Approximately 20 percent of the boxed essays are new, presenting everyday applications of chemistry with an emphasis on engineering applications. To create more effective teaching tools, more than 100 illustrations with a key focus on molecular-level illustrations have been redone. Selected important equations have also been emphasized by highlighting them in color.

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