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Computer Based Projects for a Chemistry Curriculum

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About the eBook

This eBook is a collection of exercises designed for students studying chemistry courses at a high school or undergraduate level. The e-book contains 24 chapters each containing various activities employing applications such as MS excel and Spartan. The content within this book is suitable as a guide for both teachers and students and each chapter is supplemented with practice guidelines and exercises

Contents

- ▶ Bonds and Lone Pairs in Small Molecules: Introduction to Spartan
- ▶ Titration Curve Simulating the Addition of a Strong Acid and a Strong Base
- ▶ Electronic Qualitative Analysis Schemes
- ▶ Molecular Geometries, Hybridizations and Polarities
- ▶ Twenty-Five Periodic Trends. Graphing the Periodic Table to Life
- ▶ Titration Involving a Strong Base and Weak Acid
- ▶ Modeling Weak Acids and Bases
- ▶ Demonstrating Bonds and Forces: From Nitrogen to Nanotubes

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