DESCRIPTION

Coordination chemistry is the study of compounds formed between metal ions and other neutral or negatively charged molecules.

This book offers a series of investigative inorganic laboratories approached through systematic coordination chemistry. It not only highlights the key fundamental components of the coordination chemistry field, it also exemplifies the historical development of concepts in the field.

In order to graduate as a chemistry major that fills the requirements of the American Chemical Society, a student needs to take a laboratory course in inorganic chemistry. Most professors who teach inorganic chemistry laboratory prefer to emphasize coordination chemistry rather than attempting to cover all aspects of inorganic chemistry; because it keeps the students focused on a cohesive part of inorganic chemistry, which has applications in medicine, the environment, molecular biology, organic synthesis, and inorganic materials.
ABOUT THE AUTHOR

Rosemary A. Marusak is former chair of the Chemistry Department and cochair of the Biochemistry/Molecular Biology Program at Kenyon College. She is completing a degree in veterinary medicine at Michigan State and is a research associate in the CVM-MSU Equine Foot Laboratory where she conducts cell biology and molecular biology research investigating diseases of the equine foot. Kate Doan, a former assistant professor of chemistry at Kenyon College, is currently pursuing master's degrees in science education and mathematics education at the University of Minnesota. Scott D. Cummings, PhD, is an Associate Professor of Chemistry at Kenyon College.

FEATURES

• Uses an integrated approach to experimentation in the inorganic field

• Presents a concise review of coordination chemistry, offering supplemental reading to a text

• Contains experiments appropriate for college students of all levels up through graduate, providing continuity of learning throughout an educational career

• Tells the historical story of coordination chemistry, from its origins in Russia through today, via experiment sets

• Provides a source for fundamentals of techniques, including some biological techniques that bioinorganic chemists in particular might wish to consult

• Instructor's Manual available for use in course planning and development

For additional product details, please visit https://www.wiley.com/en-us