

## CHAPTER OVERVIEW

### 8: Reaction and Physical Properties

Organic synthesis using complexes and organometallic compounds, homogeneous catalysis, bioinorganic chemistry to elucidate biological reactions in which metals participate, and studying solid state properties such as solid state catalysis, conductivity, magnetism, optical properties are all important fields of applied inorganic chemistry. Basic inorganic chemistry, although previously less developed compared with organic chemistry, is now making fast progress and covers all elements. Construction of general theories of bonding, structure, and reaction covering molecules and solids is a major problem for the near future.

[8.1: Catalytic reactions](#)

[8.2: Bioinorganic chemistry](#)

[8.3: Physical properties](#)

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