Outline

1. Introduction
   - Importance of N2
   - Importance of N2ase
   - Structure/Function of N2ase
   - Structure/Function FeMo-co

2. Dinitrogen Chemistry
   - Properties as ligand
   - M-N\(_2\) interactions (bonding, characterization)

3. Group 8 Complexes
   - Structure/function of binding
   - Synthesis
   - Characterization IR,
   - CN, geometry, oxid state, symmetry

4. Group 6 Complexes
   - Structure/function of binding
   - Synthesis
   - Characterization IR,
   - CN, geometry, oxid state, symmetry

5. Group 5 Complexes
   - Structure/function of binding
   - Synthesis
   - Characterization IR,
   - CN, geometry, oxid state, symmetry

6. Conclusion/Summary