*CHEM 342 – Lecture 4 15/01/2015*

Overheads: - Today’s Outline

Recap Tuesday: Electrocyclic Reactions









General Rule: Woodward-Hoffman Rule for electrocyclic reactions

#  e­ # DB

4n even  con

n = integer h dis

4n+2 odd  dis

h con

→ only need to remember one:

*eg* 4n/even; ; con → change any one, get opposite

→ All pericyclic reactions have similar W-H rules based on orbital symmetry

Examples:





Group Problem Session