

CHAPTER OVERVIEW

10: Complex Reaction Mechanisms

10.1: The Lindemann Mechanism

10.2: Some Reaction Mechanisms Involve Chain Reactions

10.3: Catalysis

10.4: The Michaelis-Menten Mechanism

10.5: Isotherms are Plots of Surface Coverage as a Function of Gas Pressure at Constant Temperature

10.6: Atoms and Molecules can Physisorb or Chemisorb to a Surface

10.7: Using Langmuir Isotherms to Derive Rate Laws for Surface-Catalyzed Gas-Phase Reactions

10.8: The Structure of a Surface is Different from that of a Bulk Solid

10.9: The Haber-Bosch Reaction Can Be Surface Catalyzed

10.10: Fluorescence

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