LECTURE 14 DISTRIBUTION OF MOLECULAR ENERGIES

- I. Maxwell-Boltzmann (MB) Energy Distribution
 - A. Temperature dependence
 - B. Mass independence
- II. Experimental Verification of an Energy Barrier to a Chemical Reaction and the Role of a MB Energy Distribution
- III. Frequency of Molecular Collisions
 - A. Kinetic theory
 - B. Mean free path
- IV. Internal Molecular Motions
 - A. Vibrational motion
 - B. Rotational motion