

Chemistry 235 Semester 04-2009

Homework for Submission #3

Answer the following question and submit it for marking on or before Monday 21st Sept. 2009 in the chemistry drop box. If any answers show evidence of copying, the whole exercise will attract zero marks.

Describe and explain the trends and irregularities in first ionisation energy across the first three periods and down the groups using groups I and VII as example. Your explanation should define ionisation energy, and refer to the screening effect, effective nuclear charge, electron energies and Hund's rule.