

CBE 440
Fall 2008

Problem Set 1

Due September 11, in class

Based on Callister (7th edition), chapter 2 (read chapter 1 for background)

1. Callister 2.7 – electron configurations
2. “ 2.8 – ion configurations
3. “ 2.15 – NaCl energy
4. “ 2.18 – bonding types
5. “ 2.19 – bonding types
6. “ 2.20 – bonding energies and properties
6. “ 2.22 – bonding types