

South Dakota School of Mines and Technology  
Department of Materials and Metallurgical Engineering

Met 426/526

Homework

Due Jan 25, 2013

1. Use data from Hultgren to find the change in standard state  $\Delta G^o$  for  
 $C = \underline{C}$ .
  
2. Use data from Hansen to find the change in standard state  $\Delta G^o$  for  
 $O = \underline{O}$ .

Hultgren

Ralph Hultgren, Pramod Desai, Donald Hawkins, Molly Gleiser, and Kenneth Kelley:

**Selected Values of Thermodynamic Properties of Binary Alloys**, ASM, Metal Park, OH, 1973.

Hansen

Max Hansen, **Constitution of Binary Alloys**, McGraw-Hill Book Company, New York, 1958.