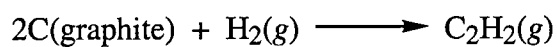


Handed out in class on September 18

Due in class on September 27

The following problems are taken from Volume I, p.122, pp. 159-163

- (8) The standard enthalpy of formation of acetylene can in principle be obtained from the standard enthalpy change of the following reaction:



In practice, this reaction will not lead to the formation of methane. How would you determine the $\Delta_f \bar{H}^\circ$ value?

- (7) 4.60
- (8) 5.5
- (7) 5.8
- (5) 5.15
- (5) 5.19
- (15) 5.27
- (10) 5.40
- (15) 5.47
- (20) 5.49