

Preclass Assignment

CHEM 1100-General Chemistry I

Name:

#11

Section: 31, MWF

Due Date: Wednesday 8/9/2017

1. A mixture of 2.66 bar CO, 2.37 bar H₂, 1.50 bar CH₄, and 1.75 bar H₂O is allowed to come to equilibrium. K_p is 0.0367 at 1000K. You will use the method of successive approximations to calculate the equilibrium pressures of all the chemical species.

I want you to write the ICE table. Since you have some of everything, you can't determine the reaction direction by simple inspection. Calculate Q and then complete the ICE table. We'll finish the rest of the problem in class.

