

Preclass Assignment

CHEM 1100-General Chemistry II

Name:

#7

Section: 31, TR

Due Date: Tuesday 5/1/2018

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.

For this assignment, calculate the value for the reaction quotient, Q, and then set up the ICE table. We'll finish the problem in class.

