

Participation Assignment

CHEM 1050-Chemistry and the Citizen

Name:

#14

Section: 03, MW

Due Date: Monday 2/29/2016

1. Calculate the pressure in bar when 0.100 moles of gas are in a 400.0 mL aerosol can at 900 °C (assume 3 sf).

2. A typical propane gas cylinder used in outdoor grills has a volume of approximately 17.8 L. Assume there are 5.60 moles of propane vapor and calculate the temperature in degrees Celsius that is needed to reach 21.0 atm.