

Name KEY
Section _____
Last 4 digits of SS _____

Chemistry 109
Quiz 9 4/4/00

THERE IS NO NUMBER OF IMPLIED CORRECT ANSWERS TO QUESTIONS (ALL COULD BE RIGHT, ALL COULD BE WRONG). CLEARLY CIRCLE ANY CORRECT ANSWERS!

1. (5 pts) Clearly state a law which relates the pressure, temperature, and volume of a gas and explain all terms!

$PV = nRT$
Pressure \times Volume = # of moles \times
gas constant \times absolute temperature

2. (2 pts) Which chemicals will you need today?

1) magnesium

2) hydrochloric acid

3. (2 + 1 pts) Consider the following statement: "The volume of an ideal gas should be zero at ambient pressure (1 atm) and absolute zero temperature (0 Kelvin)".

a) Is this statement true?

1) Yes

2) No

b) Based on your answer, how many gases show ideal behavior?

1) All

2) Most

3) None