Chem 18.1
Goals:
> Configure relationship between pressure, volume and temperature of a gas
> Predict the effects of changing a variable to the effects of other variables
Bellwork:
> If you had a balloon filled with air, how could you affect the pressure inside it without adding more air?

Plan:
Definitions: Pressure, volume, temperature
Discussion: how would you predict a change in one variable would change the other variables?
Video: Lawn Chair Larry
> What conditions would determine the amount of pressure in each balloon?
$>$ How would the conditions change as the balloons rose higher into the air?
Guided practice: Combined gas law problems
> Calculate the pressure, volume, temperature or moles of air particles given certain data
> Check answers for correct units and does it make sense
HW: Combined gas law worksheet

Chem 18.3
Goals: Contrast combined gas law with ideal gas law, describe and analyze what makes a gas "ideal"

Bellwork: What do the following symbols stand for in gas equations: $\mathrm{P}, \mathrm{V}, \mathrm{T}, \mathrm{n}$ Plan:

Review combined gas law, class discussion on parts and how they are configured
Mini-lecture: ideal gas law, formula and value for ' $R$ '
Demo: crushing a soda can with temperature changes
> Relate result to ideal gas law: which variables changed and in what ways?
Kahoot: gas laws review
HW: ideal gas law worksheet

