Welcome to 2nd Semester!!!

JUMPSTART

1. How many moles are in 77 grams of CO_2

2. At room temperature, CO_2 is a gas. Since CO_2 is a gas, brainstorm some ways that you could measure out that many grams/moles of the gas.

3. What would you do if you don't have a scale to use??? (Your answer doesn't have to be right, just think of something! Any idea is a good one)

JUMPSTART - ANSWERS

1. *How many moles are in 77 grams of CO_2*

Molar Mass of CO2 = 12 + 2(16) = 44 grams/mole

$$\frac{77 \text{ grams}}{44 \text{ grams}} \times \frac{1 \text{ mole}}{} = 1.75 \text{ moles}$$

2. *At room temperature, CO_2 is a gas. How could you measure out that many grams/moles of the gas.*

- **Weigh a balloon before, fill it with gas, weigh it afterwards and then subtract the two**
- **Trap it in a jar and weigh it**

3. *What would you do if you don't have a scale to use???*

Use Volume!

Homework

- **First Semester Survey**
  - Completed by **Friday**
  - Will be anonymous…as long as what you write is appropriate…no bad language, insults, etc.
- **Notebook**
  - Completed by **Friday**
  - Pull out what you don't want in your binder and put in the folder
  - LAST NAME, First name, Class period
- **20 test corrections from final**
  - Completed by **TOMORROW**
  - If you got less than 20 wrong, do as many as you got wrong
  - Follow the directions on the handout