Worksheet
for
Gas Laws and Stoichiometry

Name_____ Partner's Name_____

1. What happened to the air in the balloon when liquid N_2 was poured on it? Draw a picture of the N_2 molecules before and after.

2. What do you think is the chief substance frozen in the grapes, banana, flower, etc.?

3. Explain on a molecular level what happened in the aluminum can experiment.

4. Show your calculations of how many moles of $NaHCO_3$ were in each flask as well as how many moles of $HC_2H_3O_2$ were used.

5. Which balloon will inflate the most? Why? Which substance is the limiting reagent in each balloon?

6. Explain what happened when you mixed flasks A and C.