

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Mass-Molecules Lab

### **Part 1: Molecules in Your Name**

Let's assume that chalk is pure calcium sulfate. Determine the procedure needed to calculate the number of *molecules* used to write your names on the chalkboard. Write out your procedure, get approval to write your name, and then show your calculations.

### **Part 2: Molecules released by Alka-Seltzer**

Alka-Seltzer is composed of several chemicals but some of them react with water to create carbon dioxide. Develop a procedure to:

- Determine the mass of an Alka-Seltzer that is actually released to the air as carbon dioxide (during the first 3 minutes)
- Calculate the number of *molecules* of carbon dioxide released