

Name: _____

Period: _____



Moles of Chalk

Performance Task

Introduction:

Chalk particles are mainly comprised of calcium carbonate (CaCO_3) compounds. From this we can use a method to determine the amount (in NUMBERS) of particles of calcium carbonate it took to make a drawing using the chalk. If we can determine the amount of MASS lost to the cement, we can use the MOLAR MASS of the chalk to determine the NUMBER OF MOLES (or number of particles) of chalk used in the drawing.

Problem:

- With the class, record the problem in the space below. You will use this to help you create a procedure to solve this problem or achieve the goal.

Materials:

- List all materials you will use during the course of this lab. (Yes, even list out the basic materials).

Procedure:

- With your group, create a step-by-step procedure showing how you will solve the problem or achieve the goal. Include every step; this must be detailed enough that it can be done by someone else and produce the same results.

Data Table:

- With your group, create a table to organize your data. You should leave some room to show your work.
- When materials, procedure, and data table are finished, take to your teacher for approval before you begin.

Teacher approval

Calculations/Work:

- Clearly label all numbers and calculations

Final Answer	Explain what your final answer means.
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