Honors Chemistry Hour\_\_\_\_\_ Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Dr. Wexler  
Lab: Estimating the number of kernels in a bulk quantity of popcorn  
Date:

Instructions:

You are given a bulk quantity of popcorn. Describe and perform a procedure to estimate as closely as possible the number of kernels of popcorn in your sample. Hint: look in your lab kit for ideas. Show all calculations and your final result rounded to a whole number. Also, count the kernels individually to get an exact number, then compare your estimate to the actual amount. This definitely requires a team effort. Also calculate % error.

1. Procedure for estimating the number of kernels:
2. Data and Calculations
3. Summary of Results

Estimated Number =

Exact Number =

% Error =   
Show calculations using the formula below:

