

Preclass Assignment

CHEM 1050-Chemistry and the Citizen

Name:

#5

Section: 03, MW

Due Date: Wednesday 2/10/2016

1. Convert 0.630 g of calcium to moles of calcium.

2. Assume all of the calcium came from a single tablet of calcium citrate, $\text{Ca}_3(\text{C}_6\text{H}_5\text{O}_7)_2$ (a common form of calcium supplement). Take the moles of **calcium** calculated in the previous question and calculate the number of moles of calcium citrate you have. Look at the chemical formula for calcium citrate.

3. Calculate the mass of calcium citrate in the tablet.