

Name _____ Lab Section # _____

Due at the end of class.

- The following flow diagram illustrates the analysis of a sample of an ionic salt that contains only calcium, chlorine and oxygen. A 3.300g sample of this salt was strongly heated to drive off all of the oxygen. The residue was weighed and then dissolved in water. To this solution silver nitrate solution was added until no further change was noticed. Insoluble silver chloride was formed, separated from the solution, dried, and weighed.
 - What is the empirical formula of the ionic salt?
 - What is the name of the salt?

