



Percent Composition of an Egg

Introduction

An egg is composed of three major parts: white, yolk, and shell. What percentage of the total by mass is each of these components? If you can solve this problem for an egg, you can calculate the percentage of each element in a compound if you know the chemical formula.

Procedure

1. With your partner, devise your own plan to determine what percentage of your egg is white, yolk, and shell. After your plans are made, put on goggles and carry out your plan.
2. Dispose of all egg parts and clean up as directed by your teacher. Wash your hands thoroughly with soap.

Data Table

	White	Yolk	Shell
Mass of Empty Container			
Mass of Container and Egg Component			
Mass of Egg Component			
% of Total Egg			

Materials

- egg
- assorted containers (beakers)
- balance
- hot plate (if you wish to cook the egg)
- goggles