

Lab: Black Box

Objective: To make detailed observations of object(s) you cannot see.

Background:

As you know, atoms are too small to see with the naked eye. Many scientists throughout history have made lots of observations of atoms – without seeing them! These scientists developed different models of atoms based on their observations. Could you have done what they did?

Procedure:

- You will be given **1 black box** (yes, we know, it may not actually be black.. it's ok)
- Make as many observations of the black box that you can, and record your findings – these are your *observations*.
- Based on your findings, describe and draw a model of what you believe is in the box- this is your *inference*.
- **NO PEEKING and DO NOT UNWRAP OR DESTROY THE BOX IN ANY WAY**

	What did you do?	What did you observe?
Part 1: Observations	1.	1.
	2.	2.
	3.	3.
	4.	4.
	5.	5.
	Draw what you think is inside your box.	<i>Describe</i> (words) what you think is inside your box
Part 2: Inferences		