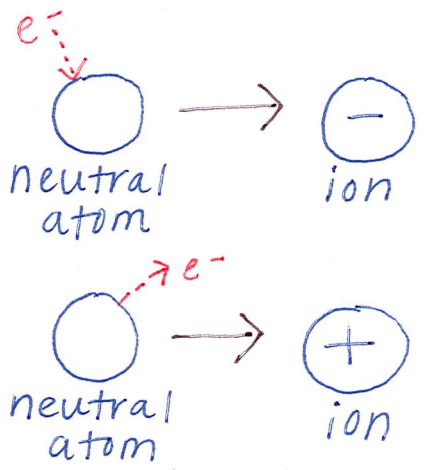
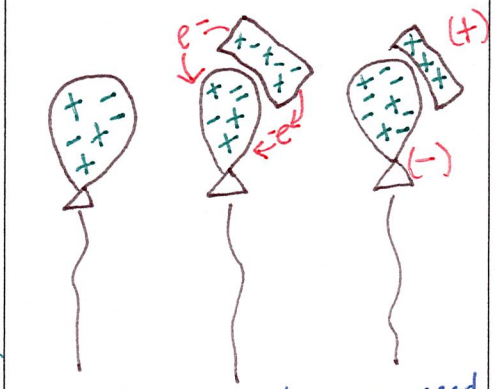
Investigation 5 Summary Chart

Unit Question: *Why do some clothes stick together when they come out of the dryer?*

Inv. Question: *How does an object become charged?*

What did we observe?	What have we figured out?	How does this help us answer our investigation question?	Our model
5.1 What is the effect of changing the composition (number of p, n, e) of an atom?	• If the number of protons changed, we get a different atom (element) • If the number of electrons change the atom becomes an ion gain e- neg. charge lose e- pos. charge	• maybe objects become charged because the atoms that make it up are gaining or losing electrons	
5.2 How do objects become charged?	• rubbing a neutral object with fur/silk can cause it to become charged • objects get charged by their atoms gaining/losing e-	• rubbing an object (ex: balloon w/ fur) causes electrons to be gained or lost causing the # of protons and electrons to be inequal	 fur lost e- balloon gain e-