**Atomic Theory Book Project**

In the last day or so, you’ve learned about several models of the atom. You’ve learned about what Leucippus said and how Aristotle’s very wrong idea won out over it for two millennia. You’ve seen how Dalton came up with his model of the atom, how Thomson determined that electrons existed, and how Rutherford discovered the nucleus. Finally, you’ve learned about Bohr’s planetary model of the atom. That’s a lot of atoms.

For this assignment, you’re going to write a children’s book in which you explain one of these models of the atom to a five-year old child. This hypothetical child can be assumed to be of average intelligence for its age, and capable of reading and understanding basic ideas. This child also finds big lists of facts to be very boring and needs cheerful pictures to keep it interested in a topic.

Here is how you will be graded:

Content:

* Did you make the discoverer of this idea a main character in your story? Was this main character likeable and interesting? (5 pt)
  + Note: The character shouldn’t be a boring old scientist. Remember that this is a children’s book, and children like to see cheerful and funny main characters.
* Did you discuss the experiment (or at least the ideas that led to) the discovery of this model of the atom? (5 pt)
  + Note: Some of the experiments behind these concepts would be nearly impossible for a five year old to understand. I fully expect that you may have to simplify the experiments to make it clearer to a small child.
* Would your explanation of the experiment be comprehensible to a five year old? (5 pt)
  + Remember: Simple words, short sentences, lots of illustrations.
* Is your explanation of the experiment factually correct? (5 pt)

The book:

* Did you include interesting art in this book? All art should be hand-drawn – however, I realize that your group may not have a great artist, so if your art isn’t great, don’t panic! (5 pt)
* Was your book at least 12 pages long? (5 pt)
  + This does not include either side of the front or rear covers.
* Did you cite your sources? There should be several. (5 pt)
* Did an actual child enjoy the book? (5 pt)
  + Yep, I know a family with an actual five year old child and they’re willing to have their kid grade this part.

Have fun!