

Atomic Theory Worksheet
Historical Development of the modern model of the atom.

1. What made Democritus' description of an Atom so profound?

2. Draw below the model of the atom proposed by the following individuals

Dalton (1800)

Thompson (1897)

Bohr (1913)

3. How did Thompson's model differ from Dalton's model?

4. The gold foil experiment resulted in two major discoveries which were made about the structure of the atom. What were they?

1.

2.

5. How is an atomic spectra produced? Use the terms ground and excited state electrons in your answer.

6. Thoroughly describe how our current "modern" model of an atom is different than any other model proposed prior.