**Historical Development of the Model of the Atom and the Periodic Table.**

1. What were Dalton’s 4 postulates?
2. What was the experimental set-up of JJ Thomson (Draw it and describe what was going on)? What was the name of the experiment?
3. What two major discoveries did Thomson make using the cathode ray experiment?
4. What was the experimental set-up of Rutherford’s experiment (draw it and describe what was going on)? What was the name of the experiment?
5. The gold foil experiment resulted in two major discoveries which were made about the structure of the atom. What were they?
6. Draw below the model of the atom proposed be the following individuals

**Dalton (1800)**

**Thomson (1897)**

**Rutherford (1910)**

**Bohr (1913)**

1. How did Thomson’s model differ from Dalton’s model?
2. Who is credited with developing the first periodic table? It was arranged by mass and not atomic number, explain why based on the timeline of discoveries.
3. Who is the “Father” of the modern periodic table? How is the current periodic table arranged?
4. Make a timeline sketch of experiments and discoveries.