

Name: _____

Period: _____

Historical Development of the model of the atom.

1. What were Dalton's 4 postulates?
 - a.
 - b.
 - c.
 - d.

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?
 - a.
 - b.

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?
 - a.
 - b.

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

Dalton (1800)

Thomson (1897)

Bohr (1913)

7. How did Thomson's model differ from Dalton's model?