**History of the Atom**

*Instructions:*

1. Go to: <http://yostscience.weebly.com/history-of-the-atom.html>

2. Answer the following questions.

3. Use the link at the top of the website to register for a Prezi account.

**NOTE:** You will use the following information on Monday and Tuesday to create a presentation about the history of the atomic model.

**Democritus:**

1. What was Democritus’ theory about matter?

2. Knowing what you now know about atoms, was he correct in saying that atoms are “uncuttable” or “indivisible”? Explain.

**John Dalton:**

3. What are the three ideas of Dalton’s atomic theory?

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4. Do we accept his entire theory today? Explain.

5. Draw a picture of one of Dalton’s atoms.

**J. J. Thomson:**

6. In \_\_\_\_\_\_\_\_\_ (year) Thomson discovered negatively charged particles which he called \_\_\_\_\_\_\_\_\_\_\_\_.

7. Draw and LABEL Thomson’s

plum pudding model.

**Ernest Rutherford:**

8. **Watch the video:** Explain in your own words what happened in Rutherford’s Gold Foil experiment.

9. What did Rutherford call the area in the middle of the atom where the protons are?

10. Draw a picture of Rutherford’s

atomic model.

**Niels Bohr:**

11. How was Bohr’s model different from Rutherford’s model? Explain.

**Analysis:**

12. Describe how the model of the atom has changed over time. (At least 3 sentences).