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NOTE-TAKING GUIDE
UNIT 3, SEGMENT A

Name:

Date:

Main Ideas, Key Points, Questions:

After watching the video segment, write down key points, main ideas and big questions.

Objective(s):

- ***To demonstrate how evidence has changed the scientific model of the atom throughout history.***
- ***To use the Bohr model of the atom to explain atomic behavior.***

Notes:

During the video segment, use words, phrases or drawings to take notes.

Summary:

After watching the video segment, write at least three sentences explaining what you learned.
You can ask yourself: "If I was going to explain this to someone else, what would I say?"

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QUESTIONS TO CONSIDER: UNIT 3, SEGMENT A

Name:

Date:

After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:

1. One way to represent a model of an atom is in a drawing. What is another way to show an atomic model?

2. Draw an image of Thomson's model of the atom and Rutherford's model of the atom.

3. What evidence led scientists to accept Rutherford's model?

4. The proton is a positively charged particle in the nucleus. Chadwick discovered the neutron. What is a neutron?

5. Draw an image of Bohr's atomic model. Label protons, neutrons , electrons and energy levels in your drawing.

6. Electrons can move from one energy level to another is they are given a specific amount of energy. What name is given to this specific amount of energy?