

NOTE-TAKING GUIDE UNIT 3, SEGMENT D

Name:

Date:

Main Ideas, Key Points, Questions:

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

Objective(s):

- To draw Bohr models to predict atomic behavior.
- To predict periodic trends in elements based on physical properties such as effective nuclear charge, ionization energy, electronegativity and atomic radius.

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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?"



QUESTIONS TO CONSIDER: UNIT 3, SEGMENT D

Name:

Date:

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

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1.	Video segment 3D explores periodic trends in physical properties. You will draw Bohr models. Write the two main rules to follow when drawing Bohr models.				
Video segment 3D asks you to WRITE on a periodic table of the elements, so make sure you have a periodic table before continuing this video. You can find a copy in our Chemistry Matters Toolkit section.					
2.	Draw a Bohr model of lithium and sodium.				
3.	Why is lithium in period 2 but sodium is in period 3?				
4.	What is effective nuclear charge?				
5.	How does distance from the nucleus affect effective nuclear charge?				
6.	Name the energy needed to remove a valence electron from an atom.				
7.	Name the ability of an atom to attract electrons.				
8.	Name the distance of an atom's nucleus to its outermost energy level.				
9	Label your periodic table indicating trends in ionization energy, electropegativity and atomic radius				