

NOTE-TAKING GUIDE UNIT 4, SEGMENT C

Name:

Date:

Main Id	eas,	Key	Points,
Ouestio	ns:		

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

Objective(s):

• To use simulations to investigate the intramolecular bond spectrum from ionic to non-polar covalent bonds.

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?"



QUESTIONS TO CONSIDER: UNIT 4, SEGMENT C

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

1.	A polar covalent bond forms when electrons are shared unequally between atoms. What is true about the electronegativity of these two atoms if their bond is polar covalent?
2.	Water is a great example of a molecule with polar covalent bonds. How does this bond affect the behavior of the water molecule?
3.	How does that behavior differ from that of a non-polar covalent bond in a diatomic hydrogen molecule?
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	u are now asked to conduct an investigation of the characteristics of the intramolecular bond spectrum using the lowing website as a simulation tool: https://phet.colorado.edu/en/simulation/legacy/molecule-polarity
Ple	ease make sure you complete this investigation before continuing to Unit 4D. The investigation is explained in video 40