Dougherty Valley HS Chemistry Atomic Web Quest

W	or	ks	heet	#9
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Name:	Period:	Seat#:
Section 1: Dalton's Theories Site: https://drive.google.com/file/d/1VBYfxYSn	n2K79Vi vfT8RDuaVi FKc49	1/view?usn=sharing
• Site: https://drive.google.com/file/d/1VAylmVN		
1) Summarize (in your own words) the five parts	to Dalton's Atomic Theory.	
2) What are two problems with Dalton's Atomic T	heory that we know with toda	ys knowledge?
Section 2: First Subatomic Particle of the Atom Site: https://drive.google.com/file/d/1UtzkBmI Site: https://drive.google.com/file/d/1UtzkBmI		
(scroll way down to look for Thomson)	DVFP OEUW SCFPallickSvy	<u>Rv/view:usp=snaring</u>
3) "Atoms are small, indivisible particles. There is disagree with this statement?	nothing smaller than an atom.	" Why would Thomson
4) What subatomic particle did Thomson discover	and what was its charge?	
5) Describe how Thomson found the subatomic pa	article?	
6) If the positive side of a magnet was placed near from the magnet? Explain.	the cathode ray would the ray	bend towards or away
7) What is the name of the main piece of equipmen search what is it used for today?	nt used by Thomson? After do	ing some internet

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Site: https://drive.google.com/file/d/1Ut8r5N0ICkvZKnSjzwmiMNH8g8kV-qIK/view?usp=sharing	
8) What was the name of Rutherford's most famous experiment?	
9) Describe and/or illustrate what Rutherford's experiments looked like.	
10) What did Rutherford conclude was in the middle of the atom?	
11) Use what you know about matter to explain why Rutherford concluded that it was a positive charge in the center of the atom.	
12) Why did most of the alpha particle go through the gold foil?	
13) J.J. Thomson said the atom is filled with "positive sea" with small, negative particles called electrons Would Rutherford agree or disagree with this statement? Why?	5.
Site: https://drive.google.com/file/d/1Uiz8gmqcqvotXwZzwvi4PdLJeHlZL3zz/view?usp=share Site: https://drive.google.com/file/d/1Ueu8N5L9-oIweh-0vT1ugCLJYJrXL3r3/view?usp=share 14) What happens to an electron's location when it absorbs energy? What happens when it radiates en (3rd paragraph)	ring
15) What problems are found with the Bohr model?	
16) Draw and label the parts of the atom for a Bohr Model atom	