Vision Learning Ion Simulation Activity Date	Name
http://web.visionlearning.com/custom/chemistry/ar	nimations/CHE1.3-an-atoms.shtml
1. Go to the website above (you can get to it on the	useful links page). Click on Display all 11 elements on
one page. Freeze each picture and draw the ATOM E	Bohr Models on your paper in the left columns,
Trydrogen Atom	Hydrogen Ion
Helium Atom	Helium Ion
Lithlum Atom	Lithium Ion
D. II	
Beryllium Atom	Beryllium Ion
i	
Boron Atom	Boron Ion
	,

Carbon Atom	Carbon lon
Nitrogen Atom	
Nicrogen Atom	Nitrogen Ion
Oxygen Atom	
Oxygen Atom	Oxygen Ion
Fluorine Atom	
rigonile Atom	Fluorine Ion
•	
Noon Atom	
Neon Atom	Neon Ion
Sodium Atom	Sodium Ion

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2. Go back to the home screen with the periodic table and click on each individual atoms in the	
2. Go back to the home screen with the periodic table and click on each individual atom in the periodic table. Click on the link that says "Form Ion". Watch what happens to make the atom turn into an ion. In your table on the right side, draw the Ion Bohr Model of each element.	
3. How many ions can hydrogen form? or	
4. How many ions can helium form?	
This means helium cannot become p or n or n	
5. How many ions can lithium form?	
What is the charge on a lithium ion?	
What did lithium do to form an ion?	
6. How many ions can beryllium form? What is the charge on a beryllium ion? What did beryllium do to form an ion?	
7. How many ions can boron form? What is the charge on a boron lon? What didboron do to form an ion?	
8. How many ions can carbon form? What is the charge on a carbon ion? What did carbon do to form an ion?	***************************************
9. How many ions can nitrogen form? What is the charge on a nitrogen ion? What did nitrogen do to form an ion?	

10. How many ions can oxygen form?
What is the charge on a oxygen ion? What did oxygen do to form an ion?
11. How many ions can fluorine form?
What is the charge on a fluorine ion?
What did fluorine do to form an ion?
12. How many ions can neon form?
This means neon cannot become poor normal control or normal contro
Which other element did you observe to behave this way?
Make a prediction: Which other four elements will also behave this way?
13. How many ions can sodium form?
What is the charge on a sodium ion?
What did sodium do to form an ion?
Which other element did you observe to behave this way?
Make a prediction: Which other four elements will also behave this way?
14. Which five other elements will behave the same way as beryllium?
15. Which four other elements will behave the same way as boron?
16. Which two other elements will behave the same as nitrogen?
17. Which three other elements will behave the same was oxygen?
18. Which three other elements will behave the same as fluorine?
19. Draw the Bohr Models for the atoms and ions for the remaining elements on period 3.
20. What happened to the size of the atom when it changed into a positive ion?
What happened to the size of the atom when it changed into a negative ion?