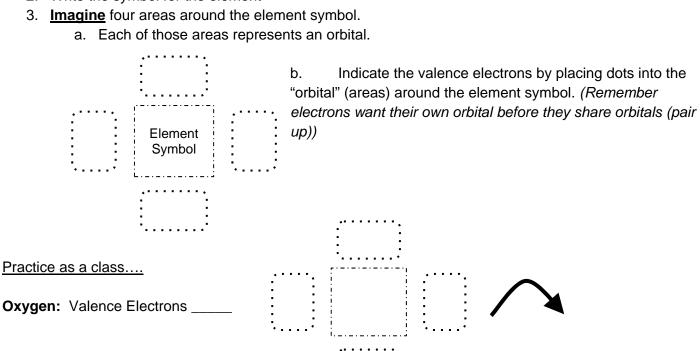
Target	1	2 (all of 1 plus)	3 (all of 2 plus)	4 (all of 3 plus)
LE 5.7 Preparedness	Does not complete formative or summative in an effortful and timely manner, is not engaged, does not arrive on time with class materials ready to learn, does not communicate when issues arise	Completes formative or summative in an effortful or timely manner, is sometimes engaged, sometimes arrives on time with class materials ready to learn, sometimes communicates when issues arise	Completes formative or summative in an effortful and timely manner, remains engaged, arrives on time with materials ready to learn, communicates when issues arise	Completes formative or summative in an effortful and timely manner, remains engaged, arrives on time with materials ready to learn, communicates when issues arise, and is reflective on strengths and challenges within your preparedness skill
LE 5.6 Precision	Recognizes the importance of products that are planned, edited, and completed with care	Attempts products that are planned, edited, and completed with care	Creates products that are planned, edited, and completed with minimal errors	Creates products that are planned, edited, and completed free from errors or need for revision
Phusikos 3	I can recognize a Lewis dot diagram	I can draw a Lewis dot diagram for an atom when given its shell diagram	I can draw a Lewis dot structure for atoms of elements in the first three rows of the periodic table	
MP2 Atoms, Bonding	I can diagram the shell structure of an atom and an understanding of valence electrons	(all of 1 plus) I can use the periodic table to predict properties of atoms of elements based on patterns of electrons in atoms	(all of 2 plus) I can predict and diagram bonding between atoms	(all of 3 plus) Nailed it!

Lewis Dot Structures

How to create a Lewis dot structure

- 1. Identify the valence electrons of the atom based on patterns in the Periodic Table.
- 2. Write the symbol for the element



Na	Name:	Phusikos 3 Practice 1
Cı	Create a Lewis dot structure for atoms of the following el	ements.
1.	1. Fluorine (F)	
2.	2. Aluminum (Al)	
3.	3. Lithium (Li)	
	• •	
4.	4. Nitrogen (N)	
5.	5. Sulfur (S)	
6.	6. Magnesium (Mg)	
7.	7. Silicon (Si)	
8.	8. Neon (Ne)	
	Neon is in what column of the Periodic Table?	
		s of the elements in the last column of the Periodic
	Table ?	
	That means that these atoms have	valence electrons.
	What about Helium? Draw the Lewis structure fo	r an atom of Helium:
	How many valence electrons?	
	So, why is Helium grouped with the eleme	ents in the last column of the PeriodicTable?