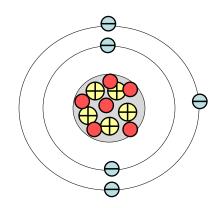
Atomic Basics

Glue the worksheet on page <u>26</u> FAF Left. Complete the worksheet as we discuss it during class.

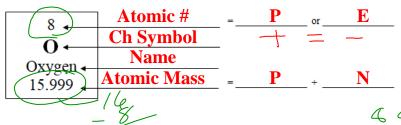
Part A: Atomic Structure

- 1. Draw five protons in the nucleus of the atom. Label them with their charge.
- 2. Draw six neutrons in the nucleus of the atom.
- 3. Draw two electrons in the first energy level and label them with their charge.
- 4. Draw three electrons in the second energy level and label them with their charge.
- 5. What element is represented by the diagram? **B** or **Boron**



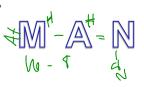
Part B: Periodic Table

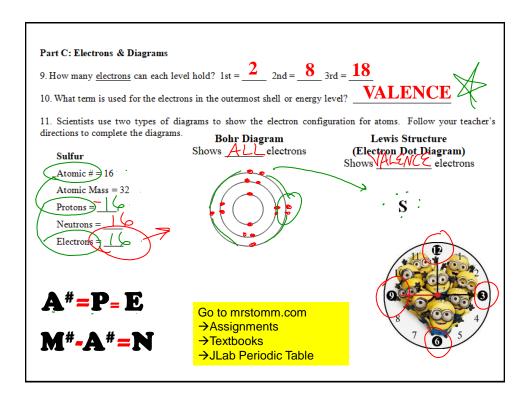
6. Label the information provided in the periodic table.



7. How would you figure the number of protons or electrons in an atom?

8. How would you figure the number of neutrons in an atom?





Part D: Atomic Calculations - Calculate the missing information and then draw the Bohr Diagram AND Lewis Structure for each.						
Element Symbo	· / ·	CI	He	Ne		
Element Name	~ <i> </i>	Chlorine	Helium	Nem		
Atomic Numbe		177	(2)	10	II	
Atomic Mass	7	35	4	20		IG 🔻
Proton	-3	-17	<u>-</u> 23	10,0		
/ Neutror	as M	= 18	-2	10	IJ	6
Electron	3	17.	2	(IO)		
Bohr Diagrai	n					
Lewis Structur	re Li	-Çİ	He	:Ne:		