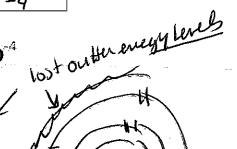
(#2-1) Sub atomic structure (topic)

1. Fill in the chart below.

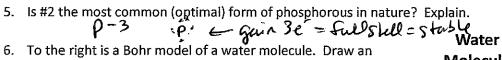
symbol	Atomic number	Mass number	electrons	neutrons	charge
Li	3	6	2	3	+1
Ca	20	40	18	20	+2
ρ	15	31	19	lle	-4

In the third row add in the appropriate values for the atom

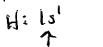


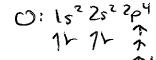
(#2-2) Modeling Atoms

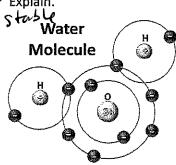
- 3. Draw a Bohr diagram of the two rows provided in #1.
- Write an electron configuration of #2.



orbital diagram of a hydrogen atom and an oxygen atom in the space below.







(#2-3) How do the properties of protons, electrons and the electron shells contribute to the periodic trends?

In the following question indicate if the substance is bigger or smaller (>, <) in size. Justify each.

- 7. Ca Sr mine energy Leulo
- 8. Ca) Ca2+ more energelieb
- 9. Ca2+ Per less proton, 50 Cl is Biggin, loss Coulomb, 2 attraction
 10. Ne < F. Ross pt 50 Ress Coulomb, 2 attraction
- 11. F (F1) more e- Repulsion

Recult

Results Analyses: X or O right or wrong answers.

Total Analysis: #2		#2-2:		#2-3:		
Version A written analysis: #2-1:		#2-2:			#2-3:	
13. #2-2	14. #2-1	15. #2-3			W2 3.	
7. #2-2	8. #2-1/#2-3	9. #2-3	10. #2-3	11. #2-3	12. 1/2 2	
1. #2-1	2. #2-1	3. #2-1		11. #2-3	12, #2-2	
		0 (12.4	4, #2-1	5, #2-1	6. #2-1	

(#2-1) Sub atomic structure (topic)

How an atom acquires mass?

(#2-1a) I can model how and why different atoms of the same element have different

How atoms acquire a charge?

For the standard above how did you score:

Thoughts:

(#2-2) Modeling Atoms

(#2-2a) I can create and interpret a Lewis structure

(#2-2b) I can create and interpret a Bohr diagram

(#2-2c) I can model atoms with electron configurations.

(#2-2d) I can model atoms with orbital diagrams.

(#2-4e) I can model/manipulate atoms electronic structure via a PES diagram.

For the standard above how did you score:

Thoughts:

- (#2-3) How do the properties of protons, electrons and the electron shells contribute to the periodic trends?
 - Atomic radius/ionization energy
 - Coulombs law

For the standard above how did you score:

Thoughts: