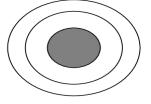
## **Atomic Basics**

Name		

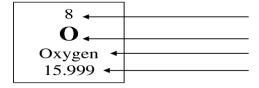
## Part A: Atomic Structure

- 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? \_\_\_\_\_



## Part B: Atomic Calculations

6. Label the information provided in the periodic table.



- 7. What does the atomic number represent?

  or

  8. What does the atomic mass represent?
- 9. How would you figure the number of protons or electrons in an atom?
- 10. How would you figure the number of neutrons in an atom?
- 11. Use your knowledge of atomic calculations to complete the chart.

Element	Atomic Number	Atomic Mass	Protons	Neutrons	Electrons
Li	3	7			
P	15	31			
C1		35	17		
Ni	233			31	
K		39			I9
Ag	47			GI	
H		I	I		
Si				IJ	IG
w			74	IIIO	
Ne				10	IO

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