Name	Date
Atomic Structure Study G	uide
Atomic Structure 1. Which subatomic particle has a positive charge?	
Which subatomic particle has a neutral charge?	
3. Which subatomic particle has a negative charge?	
4. Which two subatomic particles are found inside the nucleus?	
5. Which subatomic particle orbits the nucleus?	

6.	How are atoms arranged on the periodic table?	

- 7. How do you find the number of protons in an element? _____
- 8. How do you find the number of electrons in an element? _____
- 9. How do you find the mass number of an element? ______
- 10. How do you find the number of neutrons in an element? _____
- 11. Where are metals located on the periodic table?
- 12. Where are non-metals located on the periodic table?
- 13. Where are metalloids located on the periodic table?

Electron Arrangement

14. How many electrons can the first energy level hold? _____

15.	How many electrons can the second energy level hold?
16.	How many electrons can the third energy level hold?
17.	What determines the periods (rows) on the periodic table?
18.	What is a valence electron?
	What is the Octet Rule?
20.	What determines the groups (columns) on the periodic table?
21.	Draw the Bohr diagram for Sulfur:
22.	Draw the Lewis Structure for Sulfur:
22	Miles in les aveirs a the convention of value and also through four and also act in a content 2
23.	Why is knowing the number of valence electrons for any element important?
24.	Which of the following elements will behave the same way as sulfur, during a chemical reaction?
	a. Hydrogen b. Magnesium c. Oxygen d. Neon