

Name: \_\_\_\_\_ Block: \_\_\_\_\_

### Atomic Structure

1. Draw your atom.
2. Where is your atom found?
3. What is a fun fact about your atom?
4. Based on the context clues, as a group, determine the definition of your vocabulary word.
5. You have and need electrons and other groups also have other elements that have and need electrons. In some situations, atoms of elements will share electrons so that everyone is happy. This is called **covalent** bonding. EX: I will share my four outer electrons from one atom of my element with 1 electron from four atoms of your element. Find at least one group who you can bond with and identify their atom here:
6. Through pictures or words explain how through electrons you bonded with another group.

### Questions After Groups Share

1. What trends do you notice concerning the number of electrons in each orbital? How does this affect what elements can bond with whom?
2. You will have to remember what the word covalent means. Decide on a strategy that will help you to recall this term later on.
3. Thinking ahead: If electrons and protons have charges, what do you think happens to an atom if you take away one of these particles?