| | | Period: |
|-------------------|--------------|------------------|
| Aatter (S | Section 5-1) | |
| | | |
| . | | T 4 A4 |
| Relative N | Mass | Location in Atom |
| 1 | | |
| | | |
| | | |
| | | |
| | and | · |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| nd Bondi | ing | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| II. Electrons and C | Orbitals | | | |
|---------------------|--------------------------------------|---------------------------------|--------------|------|
| A. orbita | l: | | | |
| B. Bohr | diagram: | | | |
| | ital can hold electrons. | | | |
| 2 nd ort | oital can hold electrons. | | | |
| 3 rd orb | oital can hold electrons. | | | |
| Practice making B | ohr diagrams for the following | ng atoms. | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Не | F | Mg | Al | |
| C. valen | ce electrons | Č | | |
| 1. | determine | | | |
| | elements in the same famil | | | |
| | e electrons does each of the a | | | |
| • | Mg: Al: | | | |
| | Goal: | | | |
| | Thy? | | | |
| | ow? | | | |
| | toms that gain electrons form | | | |
| | toms that lose electrons form | | | |
| | the ion formed by each of the | | | |
| Be | sodium | aluminum | hydrogen | F |
| DC | Soulum | aiummum | nydrogen | 1 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TI7:-1 , 1 : 1 |) 1 1· 1· 1 | | | |
| _ | Bohr diagrams, can you predi | | owing atoms? | |
| Ca: | iodine: | cesium: | | |
| 4. | Generalizations | | | |
| | | the periodic table tend to | | |
| | | of the periodic table tend to _ | | ions |
| III. Bonding: | | | | |
| | | | | |
| Examples: | | | | |
| 1. sodium: wants t | o electron | | | |
| chlorine: wants t | o electron | | | |
| | | | | |
| 2. hydrogen: wants | s to electron | | | |
| oxygen: wants t | o electron | | | |