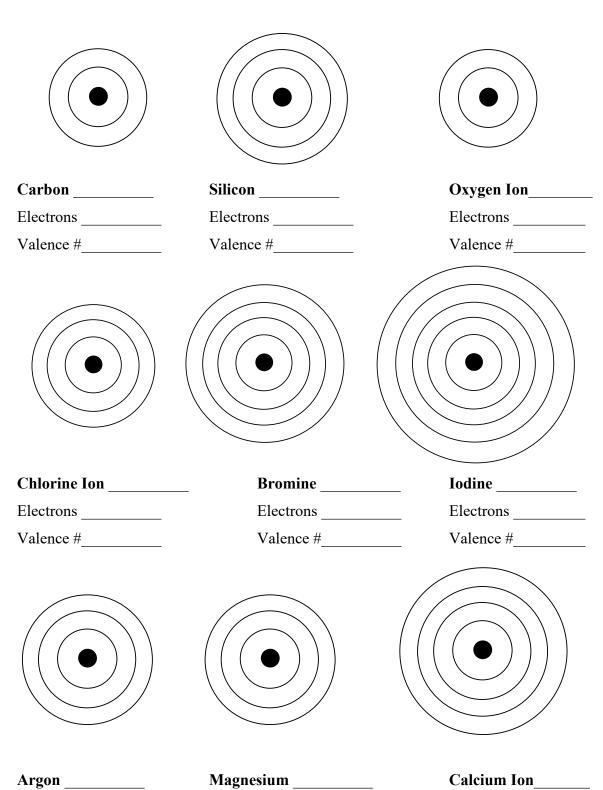
Science 9 **Electrons and Bohr Models**

Notes

Valence #_____

| Protons and Neutrons atom's mass, but electratom's | | | | | |
|--|--|--|-------------------------|---------------------|--|
| positively charged them to "orbit" the | charge and thus are attracted to the in the nucleus, which causes However, the electrons can't orbit onfined to orbit in specific regions or | | | | |
| Each | has a maximum # 3 rd : 4 th : | | | | |
| A drawing that shows diagram/model. | this "electron conf | iguration" is ca | alled a | | |
| For each element, wr number of electrons a the correct number o closest to the nucleus hold. Use your perior | and valence electr of electrons for eac first, but never e | ons ("valence ch shell. Remo xceed the num | #"). Then ember, fill t | draw in he shell | |
| | | | | | |
| Sodium | Potassium | | Hydrogen | | |
| Electrons | Electrons | | Electrons _ | | |

Valence #_____ Valence #____



Electrons _____

Valence #_____

Electrons ____

Valence #____

Electrons _____

Valence #____

| | Bohr model diagrams for the following atoms. determine the number of electrons and valence # | |
|-----------|--|--|
| Lithium | | |
| Electrons | | |
| Valence # | _ | |
| | | |
| Sulphur | | |
| Electrons | _ | |
| Valence # | _ | |
| | | |
| | | |
| | | |
| Neon | | |
| Electrons | _ | |
| Valence # | _ | |
| | | |
| | | |
| | | |
| Calcium | _ | |
| Electrons | _ | |
| Valence # | _ | |
| | | |
| | | |
| | | |
| | | |
| Kyrpton | _ | |
| Electrons | _ | |

Valence #____