Electrons in the Atom – HW 4.2, 4.3, 4.4

Element	***Orbital Spin Notation*** HW 4.2 ***Electron configuration*** HW 4.3 ***Shorthand configuration*** HW 4.3	**# of Valence electrons** HW 4.4	**Lewis Dot Diagram** HW 4.4	**Ion formed** HW 4.4
1. **Calcium** **p^+ = _____** **e^- = _____**				
2. **Arsenic** **p^+ = _____** **e^- = _____**				
3. **Cadmium** **p^+ = _____** **e^- = _____**				
4. **Fluorine** **p^+ = _____** **e^- = _____**				
5. **Iron** **p^+ = _____** **e^- = _____**				
6. **Argon** **p^+ = _____** **e^- = _____**				
7. **Sulfur** **p^+ = _____** **e^- = _____**				

8. **Aluminum** **p^+ = _____** **e^- = _____**				
9. **Chromium** **p^+ = _____** **e^- = _____**				
10. **Sodium** **p^+ = _____** **e^- = _____**				
11. **Oxygen** **p^+ = _____** **e^- = _____**				
12. **Sodium Ion (Na^{+1})** **p^+ = _____** **e^- = _____**				
13. **Calcium Ion (Ca^{+2})** **p^+ = _____** **e^- = _____**				
14. **Nitride Ion (N^{-3})** **p^+ = _____** **e^- = _____**				
15. **Fluoride Ion (F^{-1})** **p^+ = _____** **e^- = _____**				