**Electronic Configuration**

**Na atom**

**Bohr Diagram**

**Lewis Dot**

**Electron Configuration--**indicates orbitals that **all** the electrons occupy



**Orbits** are Energy Levels or AKA Shells

**Orbitals**

* "rooms" on the Orbits (EL)
* orbitals can only hold 2 electrons spinning in opposite directions to compensate for the repulsion caused by the electrons both being negative
* only one s orbital per EL
* three p orbitals per EL--and you are only responsible up to 4s

Therefore for Na atom:

Therefore for Chlorine atom:

Can also be shown using up and down arrows to indicate the opposite spins of the electrons.