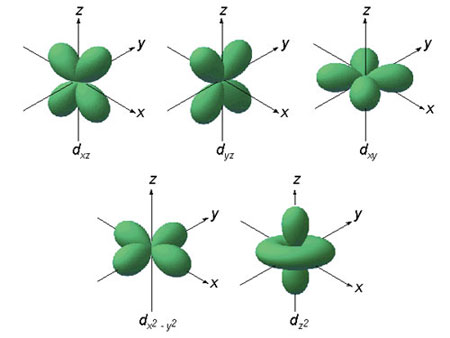
**Orbital Diagram/Notation**

Instead of drawing the shape(s), boxes are drawn to represent the shape

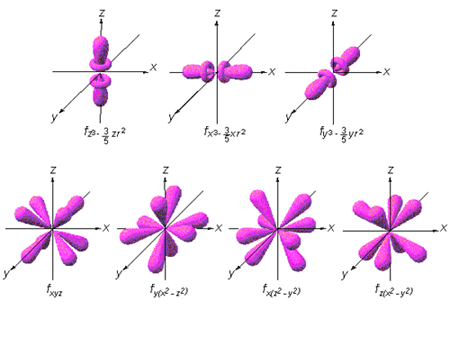
**Electron Cloud Shape**

**s**

**p**

****

**d**

****

**f**

|  |  |  |
| --- | --- | --- |
| **Na**  Stable or  Unstable | Orbital  Diagram |  |
| Electron Configuration |  |
| **C**  Stable or  Unstable | Orbital Diagram |  |
| Electron Configuration |  |

|  |  |  |
| --- | --- | --- |
| **O**  Stable or  Unstable | Orbital Diagram |  |
| Electron Configuration |  |
| **Mg**  Stable or  Unstable | Orbital Diagram |  |
| Electron Configuration |  |
| **Ne**  Stable or  Unstable | Orbital Diagram |  |
| Electron Configuration |  |
| **Cl**  Stable or  Unstable | Orbital Diagram |  |
| Electron Configuration |  |
| **Fe**  Stable or  Unstable | Orbital Diagram |  |
| Electron Configuration |  |
| **\*Cr**  Stable or  Unstable | Orbital Diagram |  |
| Electron Configuration |  |
| **\*Cu**  Stable or  Unstable | Orbital Diagram |  |
| Electron Configuration |  |
| **Kr**  Stable or  Unstable | Orbital Diagram |  |
| Electron Configuration |  |
| **As**  Stable or  Unstable | Orbital Diagram |  |
| Electron Configuration |  |

**Stable** is a filled energy level (unreactive) *or*  sub-level(still reacts)