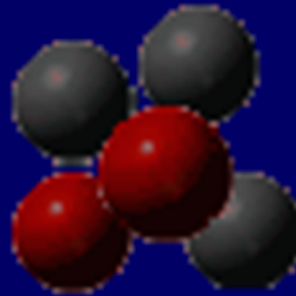
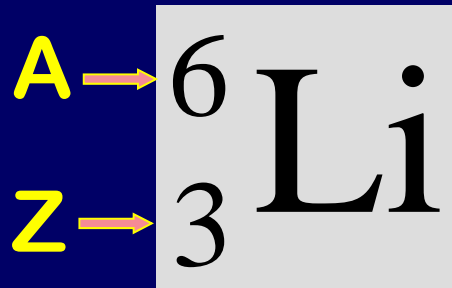


# Nuclear Physics



**Nucleus = Protons + Neutrons**  
nucleons

**Z = proton number (atomic number)**

**Gives chemical properties (and name)**

**N = neutron number**

**A = nucleon number (atomic mass number)**

**Gives you mass density of element**

→ **A = N + Z**