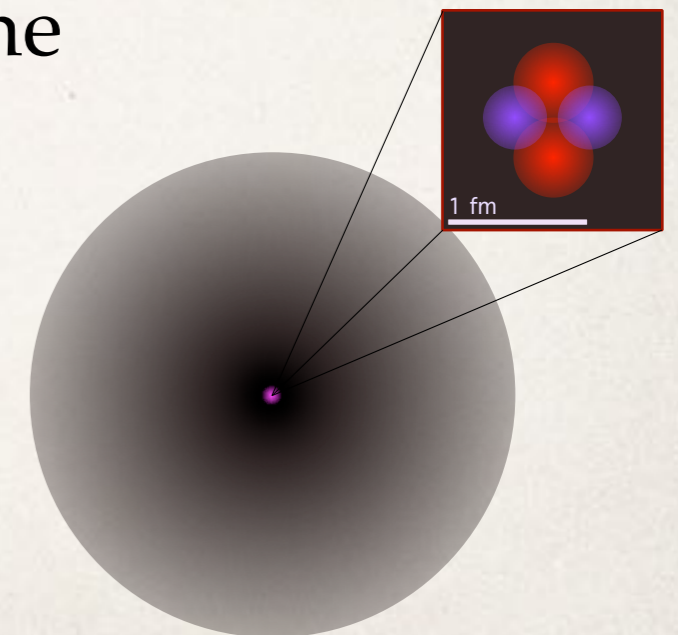


Some simple concepts

- ❖ Nucleus and electrons
- ❖ Nucleus contains $> 99.94\%$ of an atom's mass
- ❖ Nucleus of H is only 3.1×10^{-15} of the atom's volume
- ❖ Nucleus contains protons (+) and neutrons (0)
- ❖ Electrons have (-) charge



$1 \text{ \AA} = 100,000 \text{ fm}$