**Noteguide for Nuclear Radius - Videos 27I Name**



Atoms are ≈ 10-10 m in radius

Nuclei are ≈ 10-15 m in radius



R - Nuclear radius (m)

Ro - Fermi Radius (1.20x10-15 m)

A - Mass # (#p +#n)

Example 1: What is the radius of a Uranium 235 nucleus? (A = 235)

Whiteboard:

What is the radius of a Carbon-12 nucleus? (2.75 fm or 2.75x10-15 m)