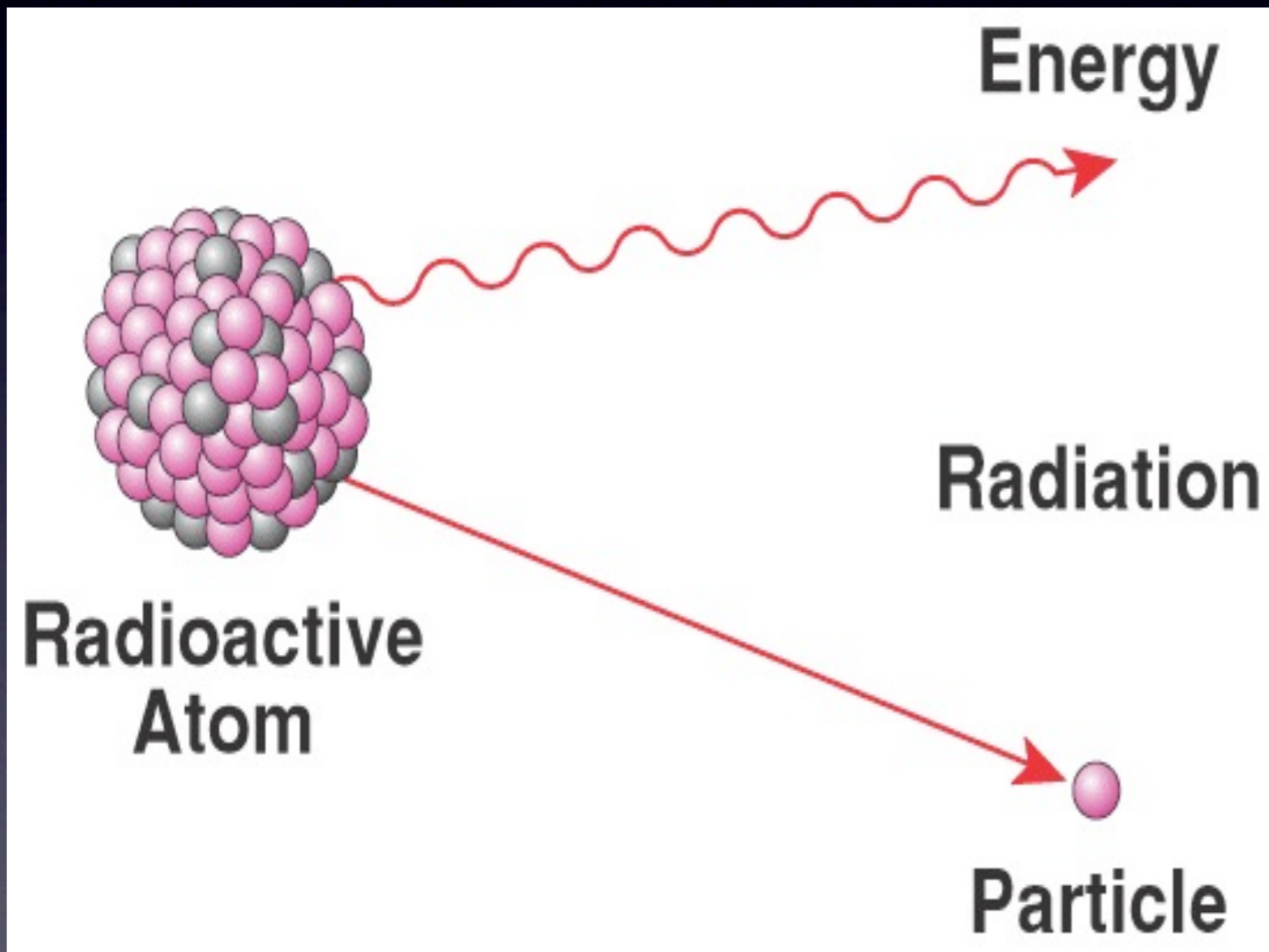


Weak Force: Radioactivity : definition



Ask Mish

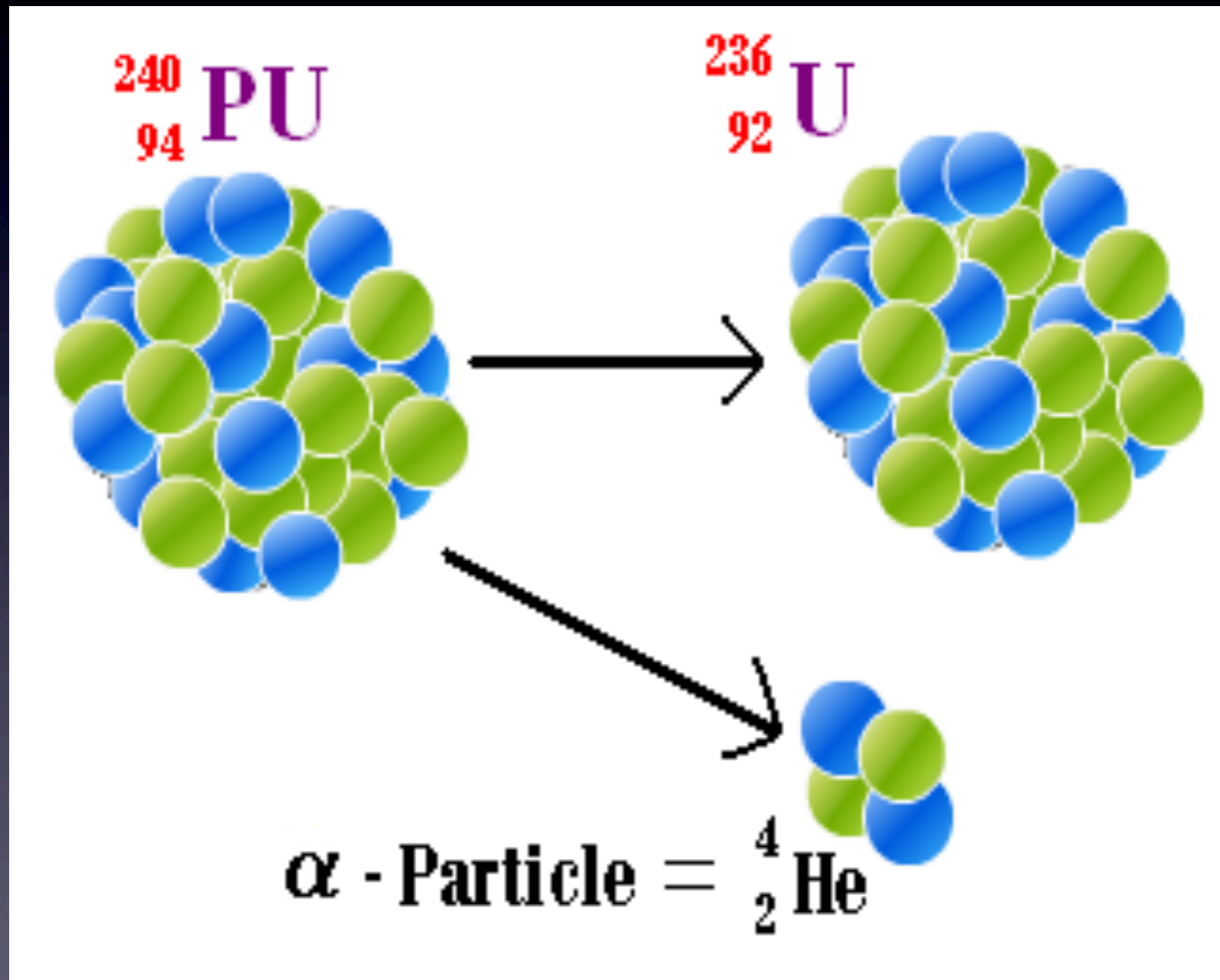


- Certain P/N (Protons/ Neutrons) ratios creates INSTABILITY so nucleus starts to lose "excess" particle to become stable (A/Z =stable) process called radioactive decay/radioactivity

Weak Force: Radioactivity -alfa particle



Ask Mish



- there are 3 types of particles: alfa, beta + and beta - and one radiation -gamma- that the nucleus can lose in radioactivity.
- If nucleus loses $2P + 2N$ also called He nucleus or alfa particle this activity is called alfa radioactivity or alfa decay; usually $Z > 83$

