Summary of Radioactive Decay Processes			
Type of radioactive decay	Particle emitted	Change in mass number	Change in atomic number
Alpha decay	⁴ ₂ He	Decreases by 4	Decreases by 2
Beta decay	_0β	No change	Increases by 1
Positron emission	Ŷβ	No change	Decreases by 1
Electron capture	X-ray photon	No change	Decreases by 1
Gamma emission	87	No change	No change