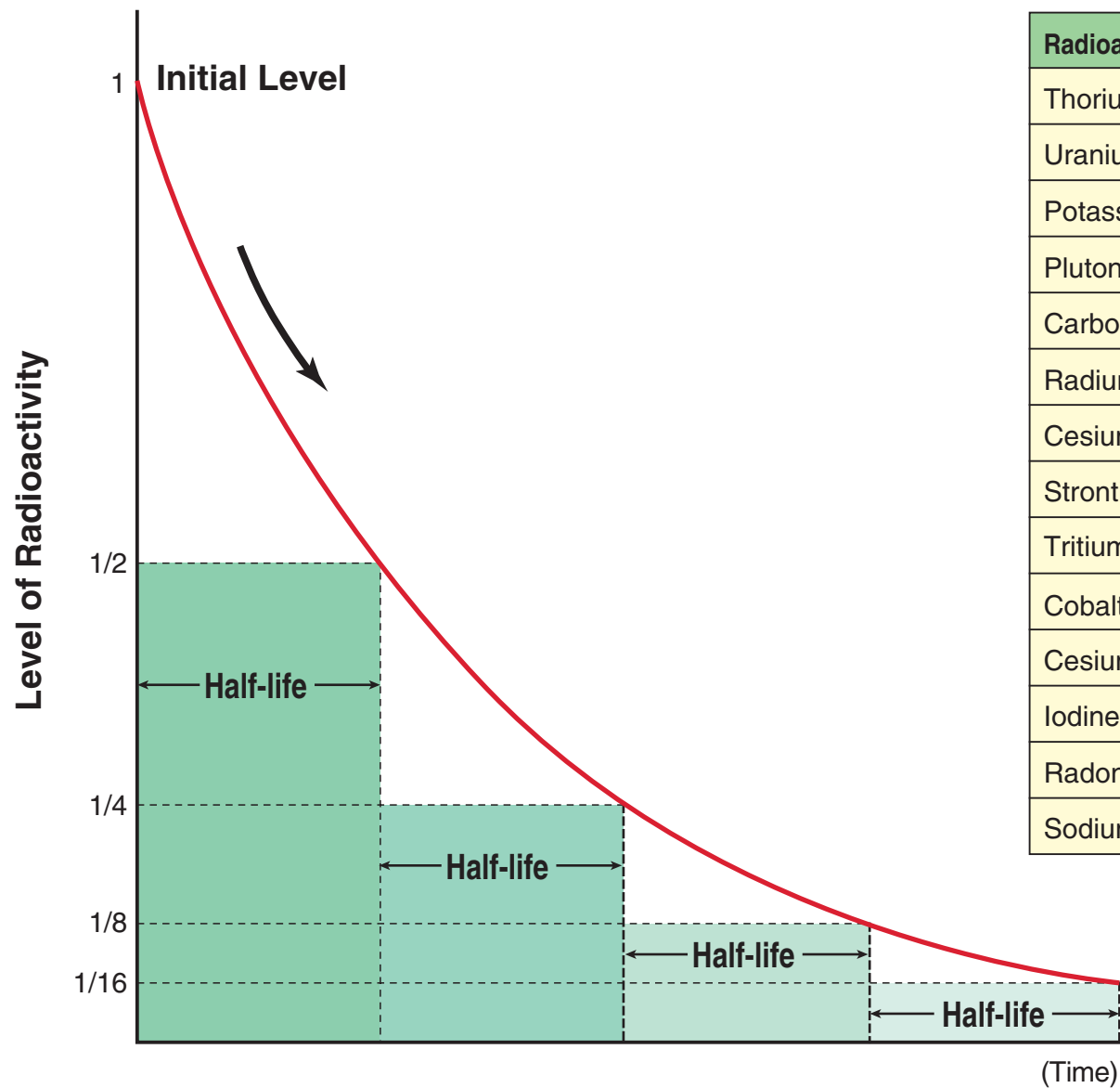


# How Radiation Decays



Radioactive Substance	Emitted Radiation*	Half-life
Thorium-232	$\alpha \cdot \beta \cdot \gamma$	14.1 billion years
Uranium-238	$\alpha \cdot \beta \cdot \gamma$	4.5 billion years
Potassium-40	$\beta \cdot \gamma$	1.3 billion years
Plutonium-239	$\alpha \cdot \gamma$	24,000 years
Carbon-14	$\beta$	5,700 years
Radium-226	$\alpha \cdot \gamma$	1,600 years
Cesium-137	$\beta \cdot \gamma$	30 years
Strontium-90	$\beta$	28.8 years
Tritium	$\beta$	12.3 years
Cobalt-60	$\beta \cdot \gamma$	5.3 years
Cesium-134	$\beta \cdot \gamma$	2.1 years
Iodine-131	$\beta \cdot \gamma$	8 days
Radon-222	$\alpha \cdot \gamma$	3.8 days
Sodium-24	$\beta \cdot \gamma$	15 hours

\*Includes radiation from products of decay (Nuclides that emit radiation and become a different nuclide.)