

### Radioactive Decay Data

RADIOACTIVE ISOTOPE	DISINTEGRATION	HALF-LIFE (years)
Carbon-14	$^{14}\text{C} \rightarrow ^{14}\text{N}$	$5.7 \times 10^3$
Potassium-40	$^{40}\text{K} \rightarrow ^{40}\text{Ar}$ $^{40}\text{K} \rightarrow ^{40}\text{Ca}$	$1.3 \times 10^9$
Uranium-238	$^{238}\text{U} \rightarrow ^{206}\text{Pb}$	$4.5 \times 10^9$
Rubidium-87	$^{87}\text{Rb} \rightarrow ^{87}\text{Sr}$	$4.9 \times 10^{10}$

