

# Uranium Decay Series

U	$U^{238}, U_I$ (uranium I) $4.51 \times 10^9$ years		$U^{234}, U_{II}$ (uranium II) $2.48 \times 10^5$ years			
92						
Pa		$Pa^{234}, UX_2$ 1.18 minutes				
91		$Pa^{234}, UZ_2$ 6.7 hours				
Th	$Th^{234}, UX_I$ (uranium X <sub>1</sub> ) 24.1 days		$Th^{230}, Io$ (ionium) $7.52 \times 10^4$ years			
90						
Ac						
89						
Rn			$Ra^{226}, Ra$ (radium) 1622 years			
88						
Fr						
87						
Rn			$Rn^{222}, Rn$ (radon) 3.825 days			
86						
At				$At^{218}$ 1.3 seconds		
85						
Po			$Po^{218}, RaA$ (radium A) 3.05 minutes		$Po^{214}, RaC'$ (radium C') $1.6 \times 10^{-4}$ seconds	$Po^{210}, RaF$ (polonium) 138.4 days
84						
Bi			$Bi^{214}, RaC$ (radium C) 19.7 minutes		$Bi^{210}, RaE$ (radium E) 5.01 days	
83						
Pb			$Pb^{214}, RaB$ (radium B) 26.8 minutes		$Pb^{210}, RaD$ (radium D) 22 years	$Pb^{206}, RaG$ (stable lead isotope)
82						
Tl				$Tl^{210}, RaC''$ (radium C'') 1.32 minutes		$Tl^{206}, RaE''$ (radium E'') 4.3 minutes
81						
Hg					$Hg^{206}$ 8.5 minutes	
80						