

40 Which sample of nuclide has the greatest initial activity?

	nuclide	amount / mole	half-life / day
A	$^{225}_{89}\text{Ac}$	0.003	10
B	$^{228}_{90}\text{Th}$	0.1	400
C	$^{228}_{88}\text{Ra}$	0.6	2100
D	$^{241}_{94}\text{Pu}$	1.0	4800