

**30** Which of the following radioactive samples has the greatest activity?

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

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