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• Wri	Write two possible mechanisms for the radioactive decay of <sup>55</sup> Fe to <sup>55</sup> Mn.		
The 8.7: (Th	The activity of an isotopically pure 1.000 g sample of $^{55}$ Fe is measured as $8.750 \times 10^{13}$ Bq. Calculate the half-life (in days) of $^{55}$ Fe. (The molar mass of $^{55}$ Fe is $54.94$ g mol $^{-1}$ .)		
		Answer:	
Hov to 1	How many years will it take for the activity of this pure 1.000 g sample of $^{55}$ Fe to dro to $1.000 \times 10^9$ Bq?		
		Answer:	