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Examination
in
General Chemistry
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The Official Guide



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web solution if we compare the time that has passed to the isotope s half life we note that 44 0 s is exactly 4 half lives so using the previous equation $n = 4$ substituting and solving results in the following less than one third of a gram of 20 f remains skill building exercise the half life of 44 ti is 60 0 y

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web solution 7 2 2 4 3 half lives 1 2 0 125 the amount remaining after 3 half lives 100 0 g x 0 125 12 5 g remaining problem 2
pd 100 has a half life of 3 6 days if one had 6.02×10 atoms at the start how many atoms would be present after 20 0 days
solution 20 0 3 6 5 56 half lives

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web radioactive isotopes are used for blood flow monitoring cancer treatment paper mills carbon dating and smoke alarms
each isotope used in these applications has a characteristic half life