

THIRD EDITION

Cryptography and Network Security

PRINCIPLES AND PRACTICES



William Stallings

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AN Whitehead



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web we utilize the equation that relate amount remaining initial mass and number of half lives $n = \frac{t}{T_{1/2}} \times \log_2 \left(\frac{m_0}{m} \right)$
125 g 5 what is the half life of an isotope that is 80 remained after 16 days solution remaining 80 100 therefore $n = \frac{t}{T_{1/2}} \times \log_2 \left(\frac{m_0}{m} \right)$
now using the half life equation in example 1 we have

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web section learning objectives by the end of this section you will be able to do the following explain radioactive half life and its role in radiometric dating calculate radioactive half life and solve problems associated with radiometric dating section key terms half life and the rate of radioactive decay unstable nuclei decay

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