



OPTIVIEW™ CONTROL CENTER CENTRIFUGAL LIQUID CHILLERS

OPERATION MANUAL

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**MODEL YK (THROUGH STYLE G)
R-134a COOLING ONLY
WITH OPTIVIEW™ CONTROL CENTER
FOR ELECTRO-MECHANICAL STARTER,
SOLID STATE STARTER AND VARIABLE SPEED DRIVE**



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York Ycav Chiller Manual

Jessica J Manson



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web we utilize the equation that relate amount remaining initial mass and number of half lives $n = \frac{t}{t_{1/2}} \times \log_2 \frac{N_0}{N}$

125 g 5 what is the half life of an isotope that is 80 remained after 16 days solution remaining 80 100 therefore $n = \frac{t}{t_{1/2}} \times \log_2 \frac{N_0}{N}$

now using the half life equation in example 1 we have

web what is the half life of this radioisotope after 2 days 5 grams of the radioisotope 1 day b 2 days c 5 days d 4 days 3 the ratio of uranium 238 to lead 206 in a mineral is used to determine age b density c solubility d composition 4 a radioactive isotope has a half life of 10 years

web chapter 15 nuclear chemistry half life learning objectives define half life determine the amount of radioactive substance remaining after a given number of half lives whether or not a given isotope is radioactive is a characteristic of that particular isotope

web the half life of a radioactive isotope is the amount of time it takes for one half of the radioactive isotope to decay the half life of a specific radioactive isotope is constant it is unaffected by conditions and is independent of the initial amount of that isotope

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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using the previous equation n 4 substituting and solving results in the following less than one third of a gram of ^{20}F remains
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