Name: \_\_\_\_\_ Date: \_\_\_\_ Half life calculations

## Answer the questions:

A certain radioactive isotope has a mass of 120 grams and a half-life of 5 years.

1. How much of the isotope (in grams) will remain after 5 years?

2. How much of the isotope (in grams) will remain after 10 years?

3. How many half-lives would occur in 15 years?

- · What would the remaining mass be?
- 4. How many half-lives would occur in 30 years?
  - What would the remaining mass be?

5. How long would it take for the mass of the isotope to be reduced to 7.5 grams?

6. How long would it take for the mass of the isotope to be reduced to 3.25 grams?

# **Instructional Fair Half Life Calculations**

J Ma

**Instructional Fair Half Life Calculations:** 

### Instructional Fair Half Life Calculations Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "Instructional Fair Half Life Calculations," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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