

## FORENSIC SCIENCE SUMMER ASSIGNMENT

### OVERVIEW:

Forensic science is the overall term for the science of obtaining evidence and the analysis of the evidence using different scientific methods. This assignment is an introduction into solving a puzzling occupational problem, the medical testing, lawsuits, court cases, and results.

### SUMMER ASSIGNMENT:

Read “The Radium Girls A Dark Story of America’s Shining Women” by Kate Moore and complete the handout. You can obtain a copy of the book on Amazon.

### GRADE FOR THE SUMMER ASSIGNMENT:

You will turn in the assignment (worth 40 points) on the first full day of class. If you do not turn in the handout on the first full day, it will be considered late and 5 points will be deducted. We will have a discussion of the book on the first day and refer back to the book during the year.

### MATERIALS NEEDED FOR CLASS:

- Text: provided in August
- Binder: 1.5 – 2 inches, 3 rings
- Notebook
- Black sharpie – regular or thin
- Black ball point pen
- Lab notebook – provided in August
- Safety goggles – Your goggles from Chemistry class, you will use those.

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NAME: \_\_\_\_\_

FORENSICS

**SUMMER ASSIGNMENT  
(40 points)**

Read the novel, "*The Radium Girls A Dark Story of America's Shining Women*" by Kate Moore and answer the following questions.

- 1) Provide a summary of the book.

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- 2) In the prologue, it is stated that Marie and Pierre Curie discovered radium in 1898. They had given a sample of radium to a scientist who placed it in his pocket. What happened to him?

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- 3) In what year did this story begin? \_\_\_\_\_

4) The book opens with Katherine Schaub on her way to her new job. What was the name of the company of this new job? \_\_\_\_\_ How old was she? \_\_\_\_\_ What was the major occupation at this company?

\_\_\_\_\_

5) What is “Undark” and how is it made?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6) What was the belief or power of radium?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7) What was the allure of radium, why did the girls want the job?

\_\_\_\_\_  
\_\_\_\_\_

8) What major event in history resulted in a massive expansion of the company?

\_\_\_\_\_

9) What did the residue from the radium extraction look like? \_\_\_\_\_ As a result in 1920, the company sold the industrial waste to what places?

\_\_\_\_\_

10) What were the symptoms that Mollie experienced?

\_\_\_\_\_  
\_\_\_\_\_

11) In 1922, the first radium girl, Mollie, dies. What was the official reason? \_\_\_\_\_

12) When Harrison Martland became the new medical examiner, he took great interest in the medical problems of the radium girls. He worked with Sochocky and came up with some methods to test for radium. Identify the methods.

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13) In 1927, Mollie's body was exhumed for testing. Why?

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What were the results?

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14) On January 12, 1928 the trial of the decade began. What was the trial?

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What was the outcome?

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15) How could this book be related to forensic science?

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