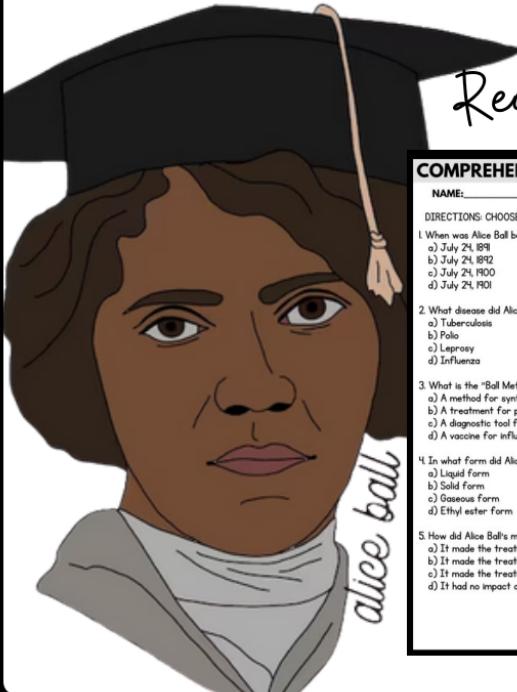




# Women History Month

## ALICE BELL



### Reading Comprehension

#### COMPREHENSION QUESTIONS

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

DATE: \_\_\_\_\_

DIRECTIONS: CHOOSE THE CORRECT ANSWER.

1. When was Alice Ball born?
  - a) July 24, 1891
  - b) July 24, 1892
  - c) July 24, 1900
  - d) July 24, 1901
2. What disease did Alice
  - a) Tuberculosis
  - b) Polio
  - c) Leprosy
  - d) Influenza
3. What is the "Ball Method"?
  - a) A method for synthesis
  - b) A treatment for polio
  - c) A diagnostic tool for leprosy
  - d) A vaccine for influenza
4. In what form did Alice
  - a) Liquid form
  - b) Solid form
  - c) Gaseous form
  - d) Ethyl ester form
5. How did Alice Ball's method differ from the previous ones?
  - a) It made the treatment more effective.
  - b) It made the treatment more accessible.
  - c) It made the treatment more affordable.
  - d) It had no impact on the disease.

#### COMPREHENSION QUESTIONS



### ALICE BALL

As we continue our exploration of Women's History Month, we turn our attention to Alice Ball, a groundbreaking chemist and medical pioneer who made significant contributions to the treatment of leprosy. Born on July 24, 1892, in Seattle, Washington, Alice Ball's achievements have left an enduring impact on the field of chemistry and medicine.

Alice Ball's most notable contribution was her development of the "Ball Method," an effective treatment for leprosy, also known as Hansen's disease. In the early 20th century, leprosy was a devastating and stigmatized disease with no known cure. Ball's innovative approach involved isolating and synthesizing the active compounds from the chaulmoogra tree, which had been used traditionally in parts of Asia to treat leprosy.

Ball's method involved creating an injectable, ethyl ester form of the compounds, making the treatment more accessible and effective. Her groundbreaking work revolutionized the approach to leprosy treatment and brought hope to countless individuals suffering from the disease.

Tragically, Alice Ball's life was cut short at the age of 24 due to illness, and much of her pioneering work was initially overshadowed. However, her contributions were later recognized and confirmed by other researchers, ensuring the lasting impact of the Ball Method in the fight against leprosy.

Learning about Alice Ball's life and her groundbreaking work in the field of medicine, the historical figure in the face of Alice Ball, is a powerful reminder of the transformative power of scientific innovation and the impact it can have on the world.

# NO-PREP

As we commemorate Women's History Month, we honor Alice Ball's remarkable contributions to science and medicine, and the lasting impact of her work on the world.

happened to her co-workers?

It later recognized that she had drawn upon her

knowledge of traditional medicine to develop her

method.

She based her method on the traditional medicine of the Chittagong Hill tribes.

She developed a method to extract the active

substances from the Chittagong Hill tribes' traditional medicine.

She developed a method to extract the active

# READING PASSAGES WITH TEXT DEPENDENT QUESTIONS

## ALICE BALL



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Learning about Alice Ball offers insights into the intersections of chemistry and medicine, the historical context of disease treatment, and the resilience of individuals in the face of challenges.

As we commemorate Women's History Month, Alice Ball's legacy serves as a poignant reminder of the transformative power of scientific innovation and the lasting contributions individuals can make to improve the lives of others.

# Ready To Print

### COMPREHENSION QUESTIONS

6. What traditional remedy did Alice Ball draw upon for her leprosy treatment?
  - a) Willow bark
  - b) Eucalyptus leaves
  - c) Chaulmoogra tree
  - d) Ginseng root
  
7. How did Alice Ball's life come to an end?
  - a) Accidental injury
  - b) Old age

### NSION QUESTIONS

DATE: \_\_\_\_\_

THE CORRECT ANSWER.

orn?

ce Ball focus on in her medical research?

her contributions?  
nized  
re her death  
Alice Ball's story?

### ANSWERS

1. b) July 24, 1892
2. c) Leprosy
3. a) A method for synthesizing chaulmoogra tree compounds
4. d) Ethyl ester form
5. a) It made the treatment more accessible
6. c) Chaulmoogra tree
7. c) 24
8. b) 29
9. b) They were initially overshadowed but later recognized
10. c) The intersections of chemistry and medicine

4. In what form did Alice Ball create the compounds for leprosy treatment?
  - a) Liquid form
  - b) Solid form
  - c) Gaseous form
  - d) Ethyl ester form
  
5. How did Alice Ball's method impact the accessibility of leprosy treatment?
  - a) It made the treatment more expensive
  - b) It made the treatment less effective
  - c) It made the treatment more accessible
  - d) It had no impact on accessibility

## READING COMPREHENSION

# CLOSE READING GRAPHIC ORGANIZERS INCLUDED

**GROUP ACTIVITY**

TITLE OF TEXT

WHAT I THINK

**ANNOTATING MARKS**

- Circle powerful words or phrases.
- Underline words or phrases you do not understand.
- Place a question mark next to words or phrases that make you curious.
- Write an exclamation mark next to words or phrases that make you excited.

**SUMMARIZE**

Write a summary of the passage. The main idea should be stated in your first sentence. Then use the four details to write four supporting sentences. Close your summary by restating the main idea.

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

**MAIN IDEA**

TITLE OF TEXT

MAIN IDEA

SUPPORTING DETAILS #1

SUPPORTING DETAILS #2

**VOCABULARY GRAPHIC ORGANIZER**

TITLE OF TEXT

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

UNKNOWN WORD

CLUES FROM TEXT & MEANING

UNKNOWN WORD

CLUES FROM TEXT & MEANING

UNKNOWN WORD

CLUES FROM TEXT & MEANING