



## PRE-LAB QUESTIONS

1. What are chromosomes made of?
  - a. Chromosomes are each made of protein and a single molecule of deoxyribonucleic acid (DNA)
  
2. Compare and contrast mitosis and meiosis.
  - a. Mitosis
    - i. 4 stages, purpose is cellular proliferation, produces 2 diploid daughter cells, chromosome number remains the same, genetic variation does not change
  
  - b. Meiosis
    - i. 8 stages, happens in germ cells, purpose is sexual reproduction, produces 4 haploid daughter cells, chromosome number is halved in each daughter cell, genetic variation is increased
  
  - c. Both
    - i. Produce new cells, similar basic steps, start with a single parent cell
  
3. How does mitosis differ in plant cells versus animal cells?
  - a. The daughter cells separate differently during cytokinesis. animal cells form cleavage that gives way to formation of daughter cells. Due to their rigid cell wall, plant cells don't form cleavage.



# Mitosis Pre Lab Answers

**Erin C. Amerman**



## Mitosis Pre Lab Answers:

Exploring Anatomy in the Laboratory, Second Edition Erin C Amerman,2021-01-01 This comprehensive beautifully illustrated and affordably priced manual is appropriate for a one semester anatomy only laboratory course The unique interactive approach of these exercises helps students develop a deeper understanding of the material as they prepare to embark on allied health careers Through focused activities and by eliminating redundant exposition and artwork found in most primary textbooks this manual complements the lecture material and serves as an efficient and effective tool for learning in the lab *Biology* Joseph S. Levine,Kenneth Raymond Miller,Prentice-Hall Staff,1998-05 *Instructor's Manual for Perry and Morton's Laboratory Manual for Starr and Taggart's Biology, the Unity and Diversity of Life and Starr's Biology, Concepts and Applications* Joy B. Perry,1992 *Exercises for the Anatomy & Physiology Laboratory* Erin C. Amerman,2019-02-01 This concise inexpensive black and white manual is appropriate for one or two semester anatomy and physiology laboratory courses It offers a flexible alternative to the larger more expensive laboratory manuals on the market This streamlined manual shares the same innovative activities based approach as its more comprehensive full color counterpart **Exploring Anatomy Physiology in the Laboratory 3e**

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**Bowker's Directory of Videocassettes for Children 1999** R R Bowker Publishing,Bowker,1999-03

Biology ,1996     **Contemporary Genetics Laboratory Manual** Rodney J. Scott,2001     *The Video Source Book* David J. WEINER,1990     Using Labs and Activities to Teach High School Genetics Matthew Richard Withers,2003     **Using Yeast to Teach Genetics and Improve Overall Competency in High School Biology** Josef John Hudecek,2000

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Mitosis Pre Lab Answers: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels enthralling the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the captivating narratives that have charmed audiences this year. Mitosis Pre Lab Answers : Colleen Hoover's "It Ends with Us" This poignant tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and suspenseful novel that will keep you speculating until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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