

Name: _____

Biology I: Unit 2 (A DNA Mastery Unit) - Worksheet 1: DNA Structure

1. What do the letters DNA stand for?

Deoxyribonucleic Acid

2. Two scientists are given credit for discovering the structure of DNA. What is the name of those two scientists.

a. James Watson

b. Francis Crick

3. DNA is a polymer, which means that is made up of many repeating single units (monomers). What are the monomers called?

Nucleotide

4. The "backbone" of the DNA molecule is made up of two components, what are these?

c. Sugar

d. Phosphate

5. There are four different variations of these monomers (four different bases), what are the names of those bases?

a. Cytosine

b. Thymine

c. Adenine

d. Guanine

6. These bases are of two different types of molecules: purines and pyrimidines. Purines have two ring(s) in their structure, and pyrimidines have one ring(s) in their structure.

7. The two bases that are purines are:

a. Guanine

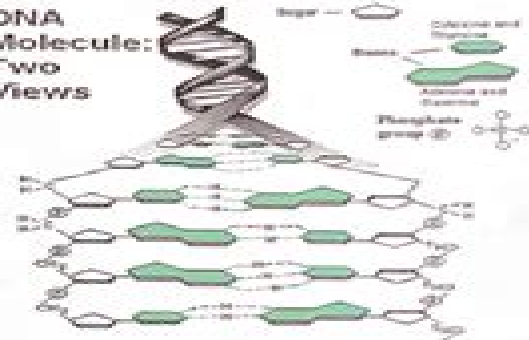
b. Adenine

8. The two bases that are pyrimidines are:

a. Cytosine

b. Thymine

DNA Molecule: Two Views



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K Morrison



Changes In Dna Hs Biology Unit 07 Lesson :

Be the Change Linda Darling-Hammond, Nicole Ramos-Beban, Rebecca Padnos Altamirano, Maria E. Hyler, 2016-01-03 Be the Change tells the remarkable story of an innovative public high school launched by dedicated teachers in East Palo Alto California one of a growing number of low income communities starved of the resources needed to serve its students and schools Chronicling a rags to riches story of how two very different communities came together to change the historical trajectory of educational failure that had robbed so many students of their futures Be the Change demonstrates how to plant the seeds of new possibilities in its place The school s unique design modeled after successful small schools in New York City offers authentic and engaging instruction in a personalized setting that has allowed students who start off far behind to graduate and go on to college in record numbers Each chapter examines one of the critical elements the teachers found essential to enable student success the creation of an academic culture the development of high standards with high supports and the process of learning to teach so that students can learn A powerful and compelling tale about how educators parents and representatives of one of America s most powerful universities came together to create a school that is now a beacon of pride and hope Their struggle to overcome the obstacles they encountered along the way will inspire others who seek to find ways to use education as a means to break the cycle of poverty and to expand opportunity and justice Pedro A Noguera distinguished professor of education Graduate School of Education and Information Sciences UCLA This is the story of a little school that could Could get students to college and beyond that is It s filled with evidence quotes and anecdotes but more importantly it demonstrates that will and skill aligned with vision and values results in learning environments in which students thrive While acknowledging the challenges trials and tribulations of creating and leading an urban high school the authors share their success in a passionate and compelling way inviting others to learn alongside them as they build successful futures for their students Douglas Fisher professor of educational leadership San Diego State University With demanding academics loving support and genuine affirmation the staff parents community members and other supporters of EPAA as well as Stanford faculty and staff present an encouraging picture of the kind of high school all young people deserve This kind of success is not easy but in describing how it can be done Linda Darling Hammond and her co authors have provided a stirring example for all of those interested in equity and hope for our public schools Sonia Nieto professor emerita Language Literacy and Culture College of Education University of Massachusetts Amherst **NJN ... Secondary Teacher Manual, Grades 7-12 ,1988** **A Clinical Approach to Geriatric Rehabilitation** Jennifer Bottomley, Carole Lewis, 2024-06-01 The field of geriatric rehabilitation is constantly changing due to the discovery of new evidence based evaluation and treatment strategies as well as the continual support or refutation of older theories and practices Now in its Fourth Edition A Clinical Approach to Geriatric Rehabilitation has been updated to be at the forefront of these changes and includes free video content from MedBridge and a discount on a MedBridge subscription to geriatric rehabilitation courses

offered by the authors Drs Jennifer M Bottomley and Carole B Lewis have compiled the plethora of available scientific research on geriatric populations and combined it with their years of actual clinical practice Together this makes this text a complete evidence based guide to the clinical care of geriatric patients and clients The first part of A Clinical Approach to Geriatric Rehabilitation Fourth Edition tackles applied gerontological concepts providing the general knowledge base necessary for treating geriatric patients Topics in this section include patient evaluation an exploration of nutritional needs and age related changes in physiology and function as well as many other foundational areas In the second section topics become more focused on patient care concepts like neurologic considerations cardiopulmonary and cardiovascular considerations and establishing community based screening programs In the final section chapters center on administration and management including important subjects such as attitudes ethics and legal topics as well as consultation and research New and updated in the Fourth Edition Pearls section for succinct highlights of the content within each chapter The latest evidence based practice interventions with complete references for further reading Updated graphics pictures and diagrams to illustrate the content Content summaries and streamlined text for enhanced readability Updated case studies to exemplify clinical decision making Designed to provide valuable real life clinical knowledge A Clinical Approach to Geriatric Rehabilitation Fourth Edition gives physical therapists an evidence based guide to the clinical aspects of rehabilitative care in older adult patients and clients

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