

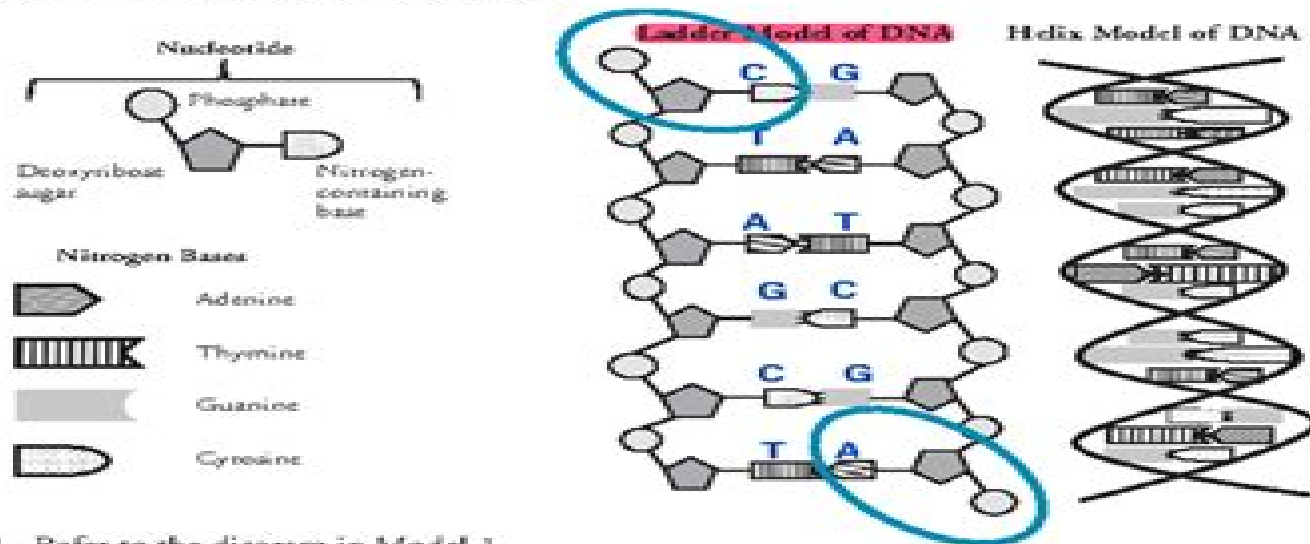
DNA Structure and Replication

How is genetic information stored and copied?

Why?

Deoxyribonucleic acid or **DNA** is the molecule of heredity. It contains the genetic blueprint for life. For organisms to grow and repair damaged cells, each cell must be capable of accurately copying itself. So how does the structure of DNA allow it to copy itself so accurately?

Model 1 – The Structure of DNA



1. Refer to the diagram in Model 1.

a. What are the three parts of a nucleotide?

Deoxyribose sugar, Phosphate, Nitrogen-containing base.

b. What kind of sugar is found in a nucleotide?

Deoxyribose

c. Which nucleotide component contains nitrogen?

bases (A,T,G,C)

d. Name the four nitrogen bases shown in Model 1.

Adenine, Thymine, Guanine, Cytosine

2. DNA is often drawn in a "ladder model." Locate this drawing in Model 1.

a. Circle a single nucleotide on each side of the ladder model of DNA.

Dna Molecule And Replication Answers

Michael Hoelscher



Dna Molecule And Replication Answers:

Microbiology Question & Answer Purshotam Kaushik, 2008 The revised edition as per UGC model for B Sc Pass Honours and M Sc students of all Indian Universities and also useful for competitive examinations like NET GATE etc New chapters added on Human Immunodeficiency virus and AIDS Ecological Groups of Microorganisms Extremophiles Aeromicrobiology Biogeochemical Cycling and Pharmaceutical and Microbial Technology besides many illustrations The text has been made more informative The special features include development of microbiology in the field has been provided microbiology applications the concept of microbiology bacterial nomenclature modern trends in between etc ,

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Molecular Biology and rDNA Technology Mr. Rohit Manglik,2024-11-24 Covers molecular biology and recombinant DNA technology focusing on gene cloning and biotechnological applications [Ayurveda Biology Question Bank UGC NTA NET Assistant Professors](#) Mocktime Publication,101-01-01 Chpater 1 Vedic origin Definitions of ar ra j nendriya karmendriya mana buddhi citta aha k ra tm in context of UGC NTA NET Exam Subject Ayurveda Biology Chpater 6 lokapuru a s mya siddh nta ekadh tu puru a a dh tuja puru a caturvi ati tatv tmaka puru a and their relevance Definitions of Ayurveda hit yu ahit yu sukh yu dukh yu tris tra yurveda hetuli ga au adha j na svastha tura in context of UGC NTA NET Exam Subject Ayurveda Biology Chpater 7 sv sthya lak a a Dimensions of Health Corresponding to nature prak ti tucary dinacary svasthav tta pa camah bh ta k a v yu agni jala p thv and their specific properties in context of UGC NTA NET Exam Subject Ayurveda Biology Chpater 8 Theories of s m nya and vi e a pad rtha theories of dravya gu a karma s m nya vi e a samav ya do a ar rika and m nasika Introduction to dh tu mala agni and srotas in context of UGC NTA NET Exam Subject Ayurveda Biology Chpater 9 Introduction to ar ra racan kriy garbha ar ra fetal development ukra rtava garbh dh na garbha and m s num sika garbha in context of UGC NTA NET Exam Subject Ayurveda Biology Chpater 10 Introduction to ar ra pram a sa khy ar ra a ga pratya ga

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