

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

## DNA: The Molecule of Heredity Worksheet

### DNA Structure

On the diagram to the right:

Circle and label a nucleotide.

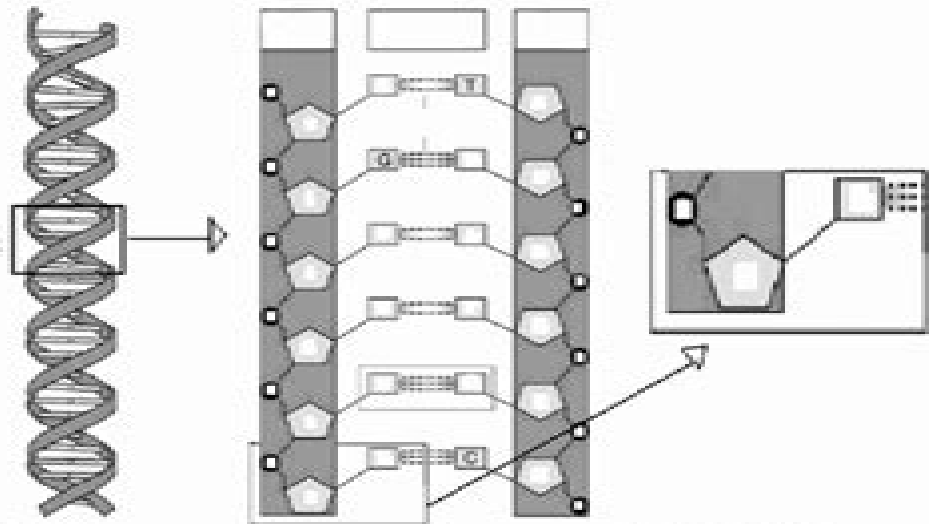
Label the sugar and phosphate molecules.

Label the bases (A, T, C & G) that are not already labeled.

Label a base pair.

Label the sugar phosphate backbones.

Label the hydrogen bonds.



2. A nucleotide is made of three parts: a \_\_\_\_\_ group, a five carbon \_\_\_\_\_, and a \_\_\_\_\_ base.
3. In a single strand of DNA, the phosphate group binds to the \_\_\_\_\_ of the next group.
4. Chargaff's rule states that the DNA of any species contains equal amounts of \_\_\_\_\_ & \_\_\_\_\_ and also equal amounts of \_\_\_\_\_ & \_\_\_\_\_.
5. In DNA, thymine is complementary to (or pairs with) \_\_\_\_\_ ; cytosine is complementary to \_\_\_\_\_.
6. In a strand of DNA, if the percentage of thymine is 30%, what would the percentage of cytosine in the same DNA strand be? \_\_\_\_\_.
7. James Watson and Francis Crick with, the help of Rosalind Franklin and others, determined that the shape of the DNA molecule was a \_\_\_\_\_.
8. What type of bonds connect the bases to each other? \_\_\_\_\_.

# The Molecule Of Heredity Worksheet Answers

**TD Snyder**



## **The Molecule Of Heredity Worksheet Answers:**

Holt Biology: Mendel and heredity ,2003      Teaching, Learning and Scaffolding in CLIL Science Classrooms Yuen Yi Lo,Angel M.Y. Lin,2021-05-15 This edited volume presents a collection of empirical studies examining the teaching and learning processes in science classrooms in Content and Language Integrated Learning CLIL contexts It is a timely contribution to the rapidly growing body of CLIL research in response to scholars consistent calls for more classroom based research on the issues in integration of content and language teaching in lessons With the dual goal of content and language learning students in CLIL programmes are also facing double challenges mastery of abstract cognitively demanding content knowledge and unfamiliar academic language Focusing on the notion of scaffolding this edited volume demonstrates how science teachers can provide appropriate and timely scaffolding for their students to overcome the challenges in CLIL science classrooms With studies from different educational settings Hong Kong Mainland China Singapore and Australia and epistemological paradigms and adopting a variety of research designs this volume will provide key insights into CLIL pedagogy and teacher education Originally published as special issue of Journal of Immersion and Content Based Language Education 7 2 2019      **Educart CBSE Class 9 Science One-shot Question Bank 2026 (Strictly for 2025-26 Exam)** Educart,2025-06-07 What Do You Get Question Bank for daily practiceHandpicked important chapter wise questions What notable components are included in Educart CBSE CLASS 9 Science ONE SHOT Chapter wise concept mapsEach chapter has 3 worksheets for daily practiceUnit wise worksheets Pull Out are given separately for extra practiceNCERT Exemplar DIKSHA PYQs Competency Based Important Qs to cover every type of questions Answer key for every worksheetDetailed explanation of each question with Related Theory Caution Important PointsPYQs from annual papers of various schoolsStrictly based on 28th March 2025 CBSE syllabus Why choose this book The Educart CBSE Class 9 Science One Shot book helps students master concepts quickly with visual concept maps and daily practice worksheets It builds exam confidence through targeted Qs from NCERT Exemplar DIKSHA and PYQs With detailed explanations and syllabus alignment it ensures smart effective preparation for scoring higher in exams      Educart One-shot Science CBSE Class 10 Question Bank 2025-26 on new Syllabus 2026 (Strictly for Boards Exam) Educart,2025-05-26 Book Structure Handpicked Important Ch wise Q s How Good is the Educart One shot Question Bank Covers essential topics with concise yet detailed explanations to help you grasp concepts quickly Aligned with the latest rationalised syllabus to ensure relevant and up to date content Includes a variety of High Order Thinking Questions to build problem solving skills Step by step answers to NCERT and exemplar problems for better understanding Previous Year DIKSHA Platform Questions to give you real exam exposure Smart Study Tips Tricks to strengthen your conceptual clarity and boost confidence Why choose this book Get the Educart One Shot Question Bank today and take your exam preparation to the next level      Resources in education ,1987-07      **Science Insights** ,1999      **Children and Their Families** Vicky R. Bowden,Susan B. Dickey,Cindy Smith

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**Heredity** ,1993

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