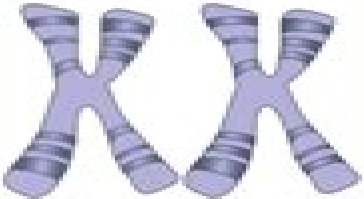
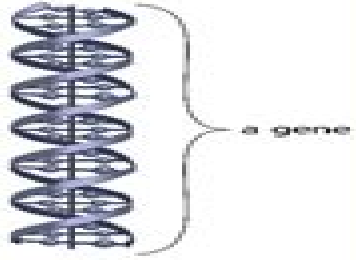
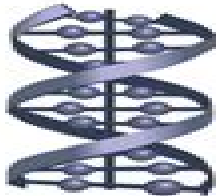


Activity no. 4.1 CHROMOSOMES, GENES and DNA

A. Complete the sentences using your knowledge and the keywords below.

chromosomes		<p>Chromosomes are found inside the NUCLEUS of a cell. There are 23 pairs of chromosomes in every human body cell.</p> <p>One of each pair of chromosomes comes from each PARENT.</p> <p>Chromosomes are made up of long lengths of DNA.</p>
genes		<p>A gene is a short section of a CHROMOSOME.</p> <p>Each gene CODES for a different CHARACTERISTIC. Genes work in PAIRS. There are different versions of each gene, one is often DOMINANT over the others.</p>
DNA		<p>DNA is short for DEOXYRIBONUCLEIC ACID. It is a long chain MOLECULE that is made up of a combination of 4 DNA bases.</p> <p>DNA has a special structure called a DOUBLE HELIX.</p>

Keywords

4 DNA pairs double nucleus characteristic chromosome
 23 codes helix molecule parent dominant deoxyribonucleic acid

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S Ben Porath



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Carmichael Tilghman,1972 **Biology** Kenneth Raymond Miller,Nancy Montgomery,Joseph S. Levine,2008 Textbook of Medicine Russell La Fayette Cecil,1988 **Environmental Health Perspectives** ,1972 **International Journal of Radiation Biology** ,1990-07 **Pediatrics** Mohsen Ziai,1984 **Concepts of Genetics** William S. Klug,Michael R. Cummings,2003 This book is known for its clear writing style emphasis on concepts visual art program and thoughtful coverage of all areas of genetics The authors capture readers interest with up to date coverage of cutting edge topics and research The authors emphasize those concepts that readers should come to understand and take away with them not a myriad of details and exceptions that need to be memorized and are soon forgotten In addition to topics traditionally covered in genetics this book has increased coverage of genomics including proteomics and bioinformatics biotechnology and contains more real world problems For anyone in biology agriculture or health science who is interested in genetics **Essentials of Genetics** William S. Klug,Michael R. Cummings,Charlotte A. Spencer,2007 Balancing classical and modern genetics Essentials of Genetics helps readers understand basic genetics concepts apply those concepts to genetics problems and recognize the logic behind them This succinct treatment features coverage of new research that will capture readers interests Mendelian transmission genetics and modern molecular genetics with analytical reasoning woven into discussions plus references to classical experiments and recent applications Helps readers connect the science of genetics to the issues of today Modernizes treatment of timely topics including genomics bioinformatics proteomics chapter 18 applications and ethics of genetic engineering chapter 19 updated and extended coverage of gene regulation chapter 15 cancer genetics chapter 16 Features beautifully redesigned illustrations throughout helping readers understand concepts more clearly A useful reference for anyone interested in learning more about genetics Student Handbook and Solutions Manual Harry Nickla,Klug,2002-08 Harry Nickla Creighton University This valuable handbook provides detailed step by step solutions or extensive explanations for every problem in the text Additional study aids include extra study problems chapter outlines vocabulary exercises and an overview of how to study genetics The Cells of the Body Henry Harris,1995 This book is the first scholarly history of research into the genetics of body cells from its origins in the 19th century to the present day Henry Harris a well known writer and a distinguished investigator in cell biology and cancer genetics brings an unusually informed perspective to the technical aspects of his subject He has written a book to be enjoyed not just by professional historians of science but by working scientists in genetics cell biology and cancer research from the graduate student level upwards Its readers will derive a richer understanding of how and why the cells of the body are studied in the way that they are today

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