

Unit 4 Test – Genetics

Study Guide

Make sure you know the meaning of the following terms: (They can all be found in your notes and on the Power Point which is posted online)

Heredity	Phenotype	The Chromosome Theory of Inheritance
Genetics	P Generation	Probability
Purebred	F1 Generation	Independence of Events
Hybrid	F2 Generation	Co dominance
Homozygous Dominant	Chromosome	Incomplete Dominance
Homozygous Recessive	Trait	Sex-linked traits
Heterozygous	Gene	Translation
Genotype	Allele	Transcription

Protein Synthesis:

2. Break the following DNA sequence into **triplets**. (Draw a line to separate triplets)

CCGATACGCGGTATCCCAGGGGCTAATTUAA

3. If the above code showed the bases on one strand of DNA, what would the **complementary strand** read?
4. What would the code in problem #2 be **transcribed** into (What would the mRNA sequence be?)
5. How many **codons** are there in the above problem?
6. What is the three letter sequence on a **tRNA** molecule called?
7. How many different **amino acids** are there that make up all of the proteins in our body?

Unit 4 Genetics Study Guide

Jean-Marc Lawton

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Unit 4 Genetics Study Guide:

Human Genetics, 1980 **Study Guide for Psychology** Don H. Hockenbury, 2009-01-23 **AQA(A) A2 Psychology Student Unit Guide (New Edition): Unit 4 Section A: Psychopathology** Jean-Marc Lawton, 2012-08-31 Written by a senior examiner Jean Marc Lawton this AQA A A2 Psychology Student Unit Guide is the essential study companion for Unit 4 Psychopathology This full colour book includes all you need to know to prepare for your unit exam clear guidance on the content of the unit with topic summaries knowledge check questions and a quick reference index examiner s advice throughout so you will know what to expect in the exam and will be able to demonstrate the skills required exam style questions with graded student responses so you can see clearly what is required to get a better grade meets 2012 specification changes **Resources in Education**, 1986-10 *Study Guide for Perry's Maternal Child Nursing Care in Canada, E-Book* Lisa Keenan-Lindsay, Cheryl A Sams, Constance L. O'Connor, Shannon E. Perry, Marilyn J. Hockenberry, Deitra Leonard Lowdermilk, David Wilson, 2021-10-21 The new Study Guide for Perry s Maternal Child Nursing Care in Canada is designed to help you review and master content from the core text and learn how to think critically in applying your knowledge Chapters parallel those in the text and provide review critical thinking applications engaging activities and more with an answer key at the back of the book This comprehensive study guide also contains case studies to help you integrate information and develop the critical thinking clinical reasoning and clinical judgement skills required to pass your licensure examination and excel in clinical practice Thinking Critically case based activities require students to apply the concepts found in the chapters to solve problems make clinical judgement decisions concerning care management and provide responses to patient questions and concerns Reviewing Key Concepts questions in various formats give students ample opportunities to assess their knowledge and comprehension of information covered in the text Matching fill in the blank true false short answer and multiple choice activities help students identify the core content of each chapter and test their understanding Learning Key Terms matching and fill in the blank questions let students test their ability to define all key terms highlighted in the corresponding textbook chapter Perforated pages allow you to use activities for graded assignments Answer key at the end of the book includes answers to all questions *Study Guide for Brunner & Suddarth's Textbook of Medical-Surgical Nursing* Janice L. Hinkle, Kerry H. Cheever, 2013-11-25 The perfect companion to Brunner Suddarth s Textbook of Medical Surgical Nursing this exemplary study tool helps you better understand the concepts disease processes and nursing care detailed in the textbook Designed to help you review and apply important concepts from the textbook to prepare for exams as well as for your nursing career each fully revised chapter includes three sections Assessing Your Understanding including fill in the blank short answer and matching questions Applying Your Knowledge comprised of case based questions and Practicing for NCLEX containing both multiple choice and alternate format NCLEX style questions An Answer Key is included at the end of the book **Study Guide for Maternal Child Nursing Care - E-Book** Shannon E.

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