

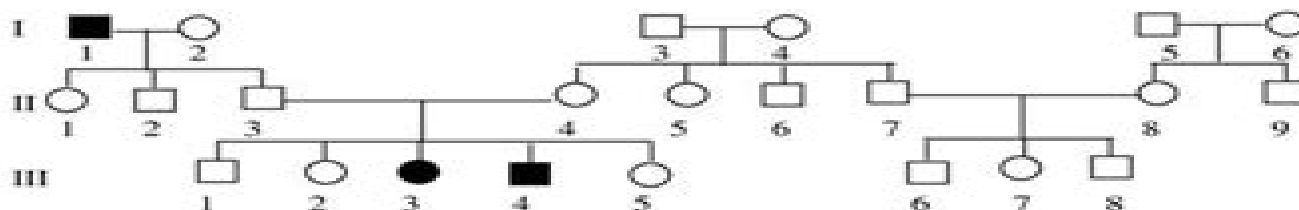
Genetics Pedigree Worksheet
Biology 520

Name _____

A family tree of sorts is called a pedigree. The symbols used for a pedigree are:

- female, unaffected
- female, affected
- male, unaffected
- male, affected

Siblings are placed in birth order from left to right and are labeled with Arabic numerals. Each generation is labeled with a Roman numeral. Therefore, the male exhibiting the trait in the pedigree below in the bottom, center would be identified as III-4.



Try to identify the genotypes of all of the individuals above.

1. Is this trait dominant or recessive? Explain your answer.
2. Could you have known the genotype of II-3 and II-4 before they had children? What gave you the essential information to decide that they were heterozygous?
3. Brown eyes are a dominant eye-color allele and blue eyes are recessive. A brown-eyed woman whose father had blue eyes and whose mother had brown eyes marries a brown-eyed man whose parents are also brown-eyed. They have a son who is blue-eyed. Please draw a pedigree showing all four grandparents, the two parents, and the son. Indicate which individuals you are certain of their genotype and where there are more than one possibility.

Human Genetics And Pedigrees Study Guide Answers

Clifford Lane



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Study Guide and Solutions Manual Bruce A. Chase, Peter J. Russell, 2005-06 This student resource contains chapter outlines of text material solutions to all end of chapter problems key terms suggestions for analytical approaches problem solving strategies and a variety of additional questions for student practice Also featured are questions that relate to chapter specific animations and iActivities

Study Guide George Karleskint, 1991

Eugenics, Human Genetics and Human Failings Pauline Mazumdar, 2005-12-20 This scholarly and penetrating study of eugenics is a major contribution to our understanding of the complex relation between science ideology and class

McGraw-Hill's SAT Subject Test Biology E/M, 3rd Edition Stephanie Zinn, 2012-02-03 Expert guidance on the Biology E M exam Many colleges and universities require you to take one or more SAT II Subject Tests to demonstrate your mastery of specific high school subjects McGraw Hill's SAT Subject Test Biology E M is written by experts in the field and gives you the guidance you need perform at your best This book includes 4 full length sample tests updated for the latest test formats two practice Biology E exams and two practice Biology M exams 30 top tips to remember for test day Glossary of tested biology terms How to decide whether to take Biology E or Biology M Diagnostic test to pinpoint strengths and weaknesses Sample exams exercises and problems designed to match the real tests in content and level of difficulty Step by step review of all topics covered on the two exams In depth coverage of the laboratory experiment questions that are a major part of the test

The Practical Guide to the Genetic Family History Robin L. Bennett, 2011-09-20 HELPS YOU DEVELOP AND ASSESS PEDIGREES TO MAKE DIAGNOSES EVALUATE RISK AND COUNSEL PATIENTS The Second Edition of *The Practical Guide to the Genetic Family History* not only shows how to take a medical family history and record a pedigree but also explains why each bit of information gathered is important It provides essential support in diagnosing conditions with a genetic component Moreover it aids in recommending genetic testing referring patients for genetic counseling determining patterns of inheritance calculating risk of disease making decisions for medical management and surveillance and informing and educating patients Based on the author's twenty five years as a genetic counselor the book also helps readers deal with the psychological social cultural and ethical problems that arise in gathering a medical family history and sharing findings with patients Featuring a new Foreword by Arno Motulsky widely recognized as the founder of medical genetics and completely updated to reflect the most recent findings in genetic medicine this Second Edition presents the latest information and methods for preparing and assessing a pedigree including Value and utility of a thorough medical family history Directed questions to ask when developing a medical family history for specific disease conditions Use of pedigrees to identify individuals with an increased susceptibility to cancer Verification of family medical information Special considerations when adoptions or gamete donors are involved Ethical issues that may arise in recording a pedigree Throughout the book clinical examples based on hypothetical families illustrate key concepts helping readers understand how real issues present themselves and how they

can be resolved This book will enable all healthcare providers including physicians nurses medical social workers and physician assistants as well as genetic counselors to take full advantage of the pedigree as a primary tool for making a genetic risk assessment and providing counseling for patients and their families *Study Guide to Accompany Principles of Genetics, 3rd Edition* D. Peter Snustad, Harold James Price, Michael J. Simmons, 2002-09-09 High quality illustrations with stepped out art to help readers visualize complex processes Human genetics and the role of the geneticist highlighted throughout Two new features in each chapter introductory Key Questions and closing Basic Exercises **McGraw-Hill's SAT Subject Test: Biology E/M, 2/E** Stephanie Zinn, 2009-02-01 We want to help you score high on the SAT Biology E M tests We've put all of our proven expertise into McGraw Hill's SAT Subject Test Biology E M to make sure you're fully prepared for these difficult exams With this book you'll get essential skill building techniques and strategies created by leading high school biology teachers and curriculum developers You'll also get 5 full length practice tests hundreds of sample questions and all the facts about the current exams With McGraw Hill's SAT Subject Test Biology E M we'll guide you step by step through your preparation program and give you the tools you need to succeed 4 full length practice exams and a diagnostic exam with complete explanations for every question 30 top test items to remember on exam day A step by step review of all topics covered on the two exams Teacher recommended tips and strategies to help you raise your score

Basic Genetics, 1998-04-13 Human Genetics Ricki Lewis, 2010 Explains what genes are how they function how they interact with the environment and how our understanding of genetics has changed since completion of the human genome project *Oswaal NCERT Exemplar (Problems - Solutions) Class 12 Physics, Chemistry and Biology (Set of 3 Books) For 2024 Board Exam* Oswaal Editorial Board, 2023-10-28 Description of the product Chapter wise and Topic wise presentation Chapter wise Objectives A sneak peek into the chapter Mind Map A single page snapshot of the entire chapter Revision Notes Concept based study materials Tips Tricks Useful guidelines for attempting each question perfectly Some Commonly Made Errors Most common and unidentified errors are focused Expert Advice Oswaal Expert Advice on how to score more Oswaal QR Codes For Quick Revision on your Mobile Phones and Tablets

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