

Unit 13 – Non-Mendelian Genetics
Worksheet - Pedigree Practice Problems

1. Identify the genotypes of all the individuals in this pedigree. Assume that the trait is an **autosomal recessive** disorder.



- How many generations are presented in this pedigree? _____
- We know that the trait is a recessive disorder. What clues are provided in the pedigree that would allow you to confirm this conclusion?

- Shade in half of the circle (or square) for all the individuals that are hybrid in the pedigree.
- What is the genotype of the 6th individual in the fourth generation? _____

Pedigree Practice Problems Middle School

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Ramji,Rakesh Lodha**



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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

The Practical Guide to the Genetic Family History MS Robin L. Bennett (CGC.), 1999-04-21 This book is a concise and accessible resource on how to take and record a patient's family medical history to determine if the patient's affliction has a genetic component In an era of managed care physicians must be selective about which patients are truly in need of specialty medical services such as genetic testing and counseling This book will enable the health care professional to intelligently refer patients for genetic testing and counseling

The Praxis Series Official Study Guide: Middle School: Science ,

PG Textbook of Pediatrics Piyush Gupta, PSN Menon, Siddarth Ramji, Rakesh Lodha, 2015-08-31 Postgraduate Textbook of Pediatrics is a comprehensive guide to paediatrics The textbook is comprised of three volumes split into ten parts with over 600 chapters and contributions from over 50 section editors and 725 authors covering all paediatric disorders descriptions of diseases and their management Includes nearly 1500 images and illustrations in full colour incorporating information on modern imaging techniques for neurological disorders in children This is an ideal resource for postgraduate students to gain a firm grounding in and retain and improve their knowledge of all areas of paediatric medicine

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