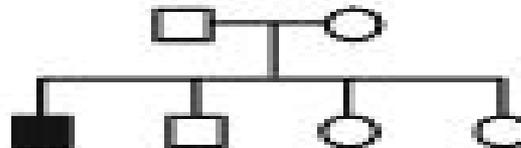


**GENETICS PRACTICE 4: PEDIGREES**

**PEDIGREE #1**



Could this trait be inherited as a simple \_\_\_\_\_

- a. autosomal recessive?
- b. autosomal dominant?
- c. X-linked recessive?
- d. X-linked dominant?
- e. Y-linked trait?

YES

NO

YES

NO

YES

NO

YES

NO

YES

NO

If "YES", then suggested genotypes of father \_\_\_\_\_ mother \_\_\_\_\_

Aa x Aa

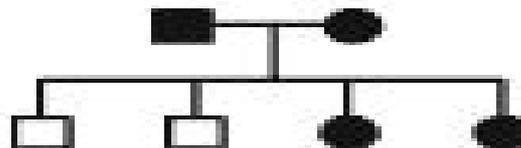
\_\_\_\_\_ x \_\_\_\_\_

X<sup>a</sup>Y x X<sup>a</sup>X<sup>a</sup>

\_\_\_\_\_ x \_\_\_\_\_

\_\_\_\_\_ x \_\_\_\_\_

**PEDIGREE #2**



Could this trait be inherited as a simple \_\_\_\_\_

- a. autosomal recessive?
- b. autosomal dominant?
- c. X-linked recessive?
- d. X-linked dominant?
- e. Y-linked trait?

YES

NO

YES

NO

YES

NO

YES

NO

YES

NO

If "YES", then suggested genotypes of father \_\_\_\_\_ mother \_\_\_\_\_

\_\_\_\_\_ x \_\_\_\_\_

Aa x Aa

\_\_\_\_\_ x \_\_\_\_\_

X<sup>a</sup>Y x X<sup>a</sup>X<sup>a</sup>

\_\_\_\_\_ x \_\_\_\_\_

# Genetics Practice 4 Pedigrees

**Dhavendra Kumar, Perry Elliott**



## **Genetics Practice 4 Pedigrees:**

**Ethical Problems and Genetics Practice** Michael Parker,2012-04-05 Provides a rich case based account of the ethical issues arising in genetics for health professionals patients and their families Principles and Practice of Clinical Cardiovascular Genetics Dhavendra Kumar,Perry Elliott,2010 Consisting of contributions from experts in all specialties of cardiovascular genetics and applied clinical cardiology Principles and Practice of Clinical Cardiovascular Genetics serves as the comprehensive volume for any clinician or resident in cardiology and genetics Each chapter provides a detailed and comprehensive account on the molecular genetics and clinical practice related to specific disorders or groups of disorders including Marfan syndrome thoracic and abdominal aortic aneurysms hypertrophic dilated and restrictive cardiomyopathies and Arrhythmogenic right ventricular cardiomyopathy as well as many others All sections comprehensively address cardiovascular genetic disorders beginning with an introduction and including separate sections on the disease s basic biological aspects specific genetic mechanisms or issues clinical aspects genetic management e g genetic diagnosis risk assessment genetic counseling genetic testing and clinical management issues The final section exclusively addresses the management of cardiovascular genetic disorders specifically considering stem cell therapy genetic counseling pharmacogenomics and the social and ethical issues surrounding disease treatment **Molecular Pathology in Clinical Practice** Debra G.B. Leonard,2016-02-02 This authoritative textbook offers in depth coverage of all aspects of molecular pathology practice and embodies the current standard in molecular testing Since the successful first edition new sections have been added on pharmacogenetics and genomics while other sections have been revised and updated to reflect the rapid advances in the field The result is a superb reference that encompasses molecular biology basics genetics inherited cancers solid tumors neoplastic hematopathology infectious diseases identity testing HLA typing laboratory management genomics and proteomics Throughout the text emphasis is placed on the molecular variations being detected the clinical usefulness of the tests and important clinical and laboratory issues The second edition of Molecular Pathology in Clinical Practice will be an invaluable source of information for all practicing molecular pathologists and will also be of utility for other pathologists clinical colleagues and trainees **Essentials of Public Health Biology** Constance Battle,2009-10-06 As the only text of its kind Essentials of Public Health Biology explores pathophysiology within the context of the disciplines and profession of public health Ideal as a concise review for the student with a science background this text applies the scientific clinical foundation to the practice of public health through case studies exercises points for discussion and test questions Understanding and Developing Science Teachers' Pedagogical Content Knowledge John Loughran,Amanda Berry,Pamela Mulhall,2012-07-31 There has been a growing interest in the notion of a scholarship of teaching Such scholarship is displayed through a teacher s grasp of and response to the relationships between knowledge of content teaching and learning in ways that attest to practice as being complex and interwoven Yet attempting to capture teachers professional

knowledge is difficult because the critical links between practice and knowledge for many teachers is tacit Pedagogical Content Knowledge PCK offers one way of capturing articulating and portraying an aspect of the scholarship of teaching and in this case the scholarship of science teaching The research underpinning the approach developed by Loughran Berry and Mulhall offers access to the development of the professional knowledge of science teaching in a form that offers new ways of sharing and disseminating this knowledge Through this Resource Folio approach comprising CoRe and PaP eRs a recognition of the value of the specialist knowledge and skills of science teaching is not only highlighted but also enhanced The CoRe and PaP eRs methodology offers an exciting new way of capturing and portraying science teachers pedagogical content knowledge so that it might be better understood and valued within the profession This book is a concrete example of the nature of scholarship in science teaching that is meaningful useful and immediately applicable in the work of all science teachers preservice in service and science teacher educators It is an excellent resource for science teachers as well as a guiding text for teacher education Understanding teachers professional knowledge is critical to our efforts to promote quality classroom practice While PCK offers such a lens the construct is abstract In this book the authors have found an interesting and engaging way of making science teachers PCK concrete useable and meaningful for researchers and teachers alike It offers a new and exciting way of understanding the importance of PCK in shaping and improving science teaching and learning Professor Julie Gess Newsome Dean of the Graduate School of Education Willamette University This book contributes to establishing CoRes and PaP eRs as immensely valuable tools to illuminate and describe PCK The text provides concrete examples of CoRes and PaP eRs completed in real life teaching situations that make stimulating reading The authors show practitioners and researchers alike how this approach can develop high quality science teaching Dr Vanessa Kind Director Science Learning Centre North East School of Education Durham University The Principles and Practice of Medicine Abner McGehee Harvey,1972 Register of the University of California University of California (1868-1952),1927 **Register** University of California, Berkeley,1923 Annual Announcement of Courses of Instruction University of California (1868-1952),1923 Register ... California. University,University of California, Berkeley,1927 **Bulletin** University of Minnesota,1921 **Clinical Genetics in Nursing Practice** Felissa R. Lashley,1998 New edition of a formerly out of print work published in 1984 when the author s name was Felissa Cohen It emphasizes the importance of understanding genetics in nursing and maintains that health professionals still are not fully educated in this field Covers such topics as major genetic disorders Science Progress in the Twentieth Century ,1930 Bulletin University of California (1868-1952),1926 Cornell University Announcements Cornell University,1921 **International Review of the Science and Practice of Agriculture** ,1923 Genetics Problem Solving Guide William R. Wellnitz,1995 Intended for students of biology genetics and zoology this manual aims to help students learn how to solve problems in genetics by discussing approximately 10 problem solving concepts for each major topic in genetics These include malosis X linkage and

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