

## Pedigree Worksheet **KEY**



- Which members of the family above are afflicted with Huntington's Disease? **II1, II2, II3, II7, III3**
- There are no carriers for Huntington's Disease- you either have it or you don't. With this in mind, is Huntington's disease caused by a dominant or recessive trait? **Dominant**
- How many children did individuals I-1 and I-2 have? **6**
- How many girls did II-1 and II-2 have? **2** How many have Huntington's Disease? **1 or 5**
- How are individuals III-2 and II-4 related? **Uncle/Niece** I-2 and III-5? **Grandma/Grandson**

6. The pedigree to the right shows a family's pedigree for Hitchhiker's Thumb. Is this trait dominant or recessive? **Recessive**

7. How do you know? **III1 and III2 do not have it but their children do.**

8. How are individuals III-1 and III-2 related? **Cousins/Marriage**

9. How would you name the 2 individuals that have hitchhiker's thumb? **IV1 and IV3**

10. Name the 2 individuals that were carriers of hitchhiker's thumb. **III1 and III2**

11. Is it possible for individual IV-2 to be a carrier? **Yes** Why? **b/c parents were heterozygous**

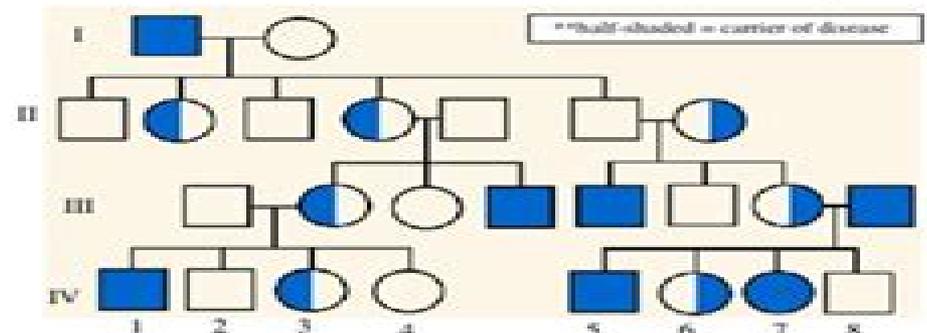
12. The pedigree to the right shows a family's pedigree for colorblindness. Which sex can be carriers of colorblindness and not have it? **Females**

13. With this in mind, what kind of trait is colorblindness (use your notes)? **Sexlinked/recessive**

14. Why does individual IV-7 have colorblindness? **b/c mom was a carrier and dad was affected**

15. Why do all the daughters in generation II carry the colorblind gene? **b/c dad was affected and its on the X**

16. Name 2 IV generation colorblind males. **IV1, IV5**



# Human Pedigrees Answer Key

**Wallace, Tietjen**



## Human Pedigrees Answer Key:

*Biology*, 2015-03-16 Biology for grades 6 to 12 is designed to aid in the review and practice of biology topics such as matter and atoms cells classifying animals genetics plant and animal structures human body systems and ecological relationships The book includes realistic diagrams and engaging activities to support practice in all areas of biology The 100 Series science books span grades 5 to 12 The activities in each book reinforce essential science skill practice in the areas of life science physical science and earth science The books include engaging grade appropriate activities and clear thumbnail answer keys Each book has 128 pages and 100 pages or more of reproducible content to help students review and reinforce essential skills in individual science topics The series is aligned to current science standards **Human Biology: Genetics** Craig H. Heller, 1999 Biology Joseph P. Chinnici, Bradley, 1996 **Human Genetics** Ricki Lewis, 2008 Human Genetics Eighth Edition is a non science majors human genetics text that clearly 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 It is a clear modern and exciting book for citizens who will be responsible for evaluating new medical options new foods and new technologies in the age of genomics *Study Guide for Man, Nature, and Society* Theodore W. Pohrte, L. Jack Pierce, 1975 Resources in Education, 1985-06 **Genetics** Richard P. Nickerson, 1990 This workbook provides a valuable supplement for introductory genetics courses Its self instructional format helps students to master basic concepts of genetics and improve problem solving skills while actively engaged in the learning process **Genetics** Michael Benner, 1995 **Genome Research**, 1995 **Genetics** Daniel L. Hartl, Elizabeth W. Jones, 2001 This introductory college level textbook covers the basic processes of gene transmission mutation expression and regulation Hartl Harvard U and Jones Carnegie Mellon U present an integrated view of the modern world of genetics treating classical molecular and population genetics as unified *Principles of Genetics* D. Peter Snustad, Michael J. Simmons, 2016-01-04 Principles of Genetics is one of the most popular texts in use for the introductory course It opens a window on the rapidly advancing science of genetics by showing exactly how genetics is done Throughout the authors incorporate a human emphasis and highlight the role of geneticists to keep students interested and motivated The seventh edition has been completely updated to reflect the latest developments in the field of genetics Principles of Genetics continues to educate today's students for tomorrow's science by focusing on features that aid in content comprehension and application Biology, Science and Life Wallace, Tietjen, 1996 Knowledge-based Intelligent Information and Engineering Systems, 2005 **Shaping Tradition** Sandra F. Tropp, 1992 **The Breeder's Gazette**, 1886 Live Stock Journal, 1899 **Sample Examination Questions** University of Michigan. Institute for Human Adjustment. Bureau of Psychological Services. Evaluation and Examinations Division, 1951 *Forest and Stream*, 1895 **Academy and Literature**, 1889 **The Spectator**, 1889

## Decoding **Human Pedigrees Answer Key**: Revealing the Captivating Potential of Verbal Expression

In an era characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Human Pedigrees Answer Key**," a mesmerizing literary creation penned by a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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### **Human Pedigrees Answer Key :**

SOLUTION: Basic concepts in turbomachinery CASE STUDY INSTRUCTIONS Choose two of the four topics as listed below: Decontamination Principles, Sterilization Methods, Preparation of Medical Equipment and ... Basic Concepts in Turbomachinery Solution So at the hub of the wind turbine the blade angle  $\gamma$  must be set to ... This book is about the basic concepts in turbomachinery and if you were to design ... principles of turbomachinery solutions manual KEY CONCEPTS in TURBOMACHINERY · SHIVA PRASAD U. Download Free PDF View PDF. Free PDF. KEY CONCEPTS in TURBOMACHINERY · Fluid Mechanics Thermodynamics of ... Solution manual for Basic Concepts in Turbomachinery ... Solution manual for Basic Concepts in Turbomachinery by Grant Ingram ... Nobody's responded to this post yet. Add your thoughts and get the ... Basic concepts in turbomachinery, Mechanical Engineering Mechanical Engineering Assignment Help, Basic concepts in

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