

# Pedigree Worksheet

Name \_\_\_\_\_



● ■ = Huntington's Disease

- Which members of the family above are afflicted with Huntington's Disease? \_\_\_\_\_
- 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? \_\_\_\_\_
- How many children did individuals I-1 and I-2 have? \_\_\_\_\_
- How many girls did II-1 and II-2 have? \_\_\_\_\_ How many have Huntington's Disease? \_\_\_\_\_
- How are individuals III-2 and II-4 related? \_\_\_\_\_ I-2 and III-5? \_\_\_\_\_

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

7. How do you know? \_\_\_\_\_

8. How are individuals III-1 and III-2 related? \_\_\_\_\_

9. How would you name the 2 individuals that have hitchhiker's thumb? \_\_\_\_\_

10. Name the 2 individuals that were carriers of hitchhiker's thumb. \_\_\_\_\_

11. Is it possible for individual IV-2 to be a carrier? \_\_\_\_\_ Why? \_\_\_\_\_

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

13. With this in mind, what kind of trait is colorblindness (use your notes)? \_\_\_\_\_

14. Why does individual IV-7 have colorblindness? \_\_\_\_\_

15. Why do all the daughters in generation II carry the colorblind gene? \_\_\_\_\_

16. Name 2 IV generation colorblind males. \_\_\_\_\_



\*\*half-shaded = carrier of disease

# Pedigree Worksheets With Answers

**Vincent L. Jones, Arlene H.  
Eakle, Mildred H. Christensen**



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**Bibliography** Arthur James Wells,1968

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