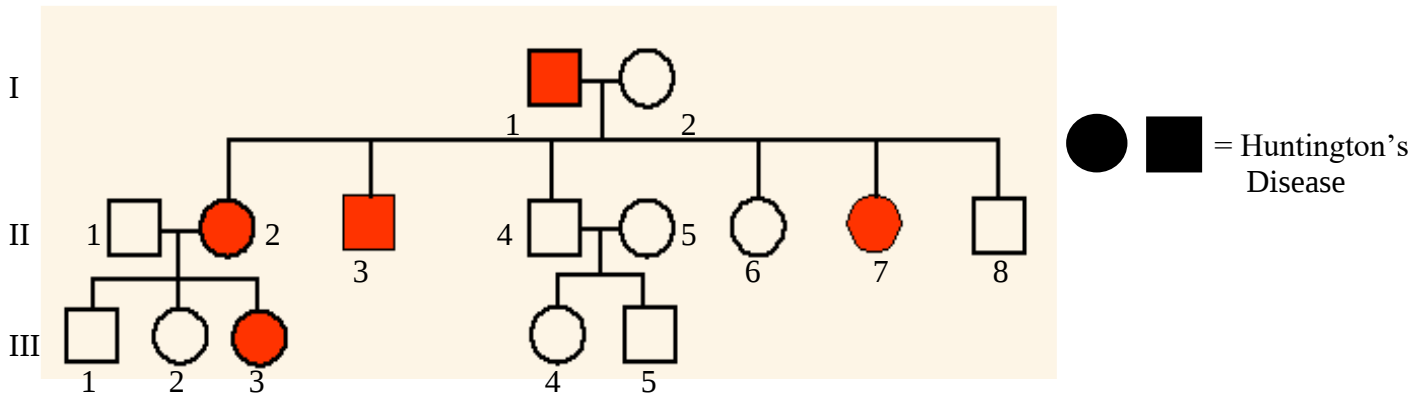


Pedigree Worksheet

Name _____



- 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? _____

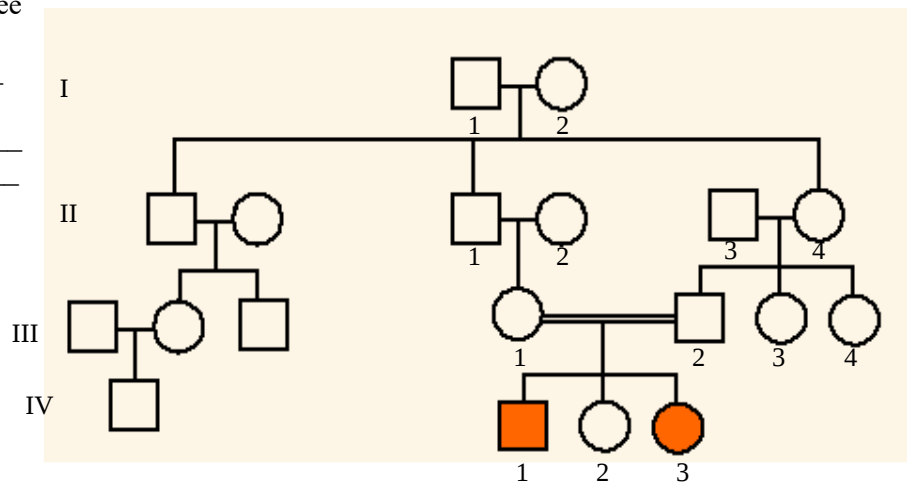
6. The pedigree to the right shows a family's pedigree for Hitchhiker's Thumb. Is this trait dominant or recessive? _____

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. _____

