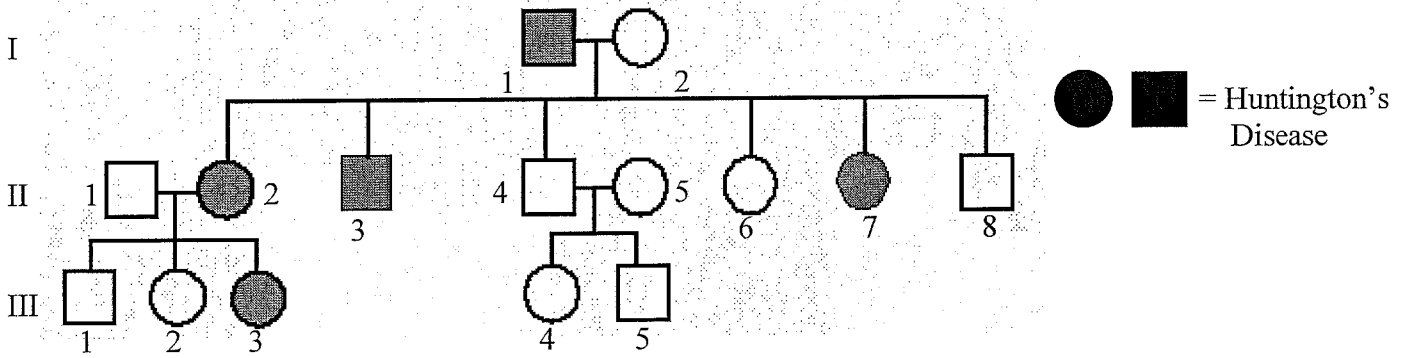


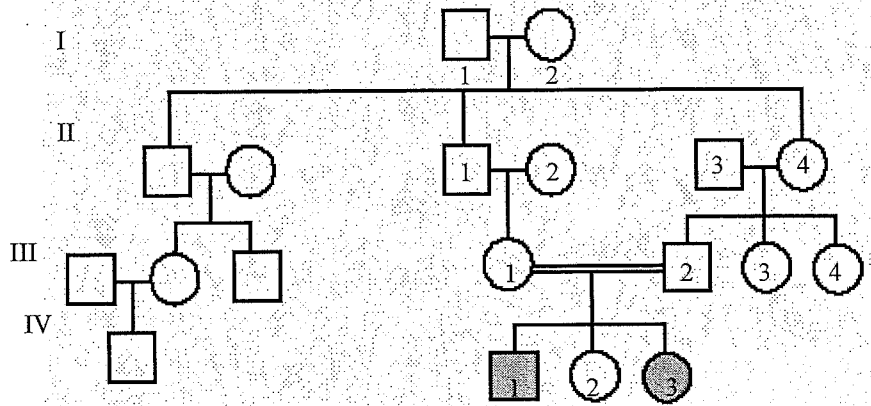
Pedigree Worksheet

Name _____



1. Which members of the family above are afflicted with Huntington's Disease? _____
2. How many children did individuals I-1 and I-2 have? _____
3. How many girls did II-1 and II-2 have? _____ How many have Huntington's Disease? _____
4. How are individuals III-2 and II-4 related? _____ I-2 and III-5? _____
5. **Fill in the genotypes.**

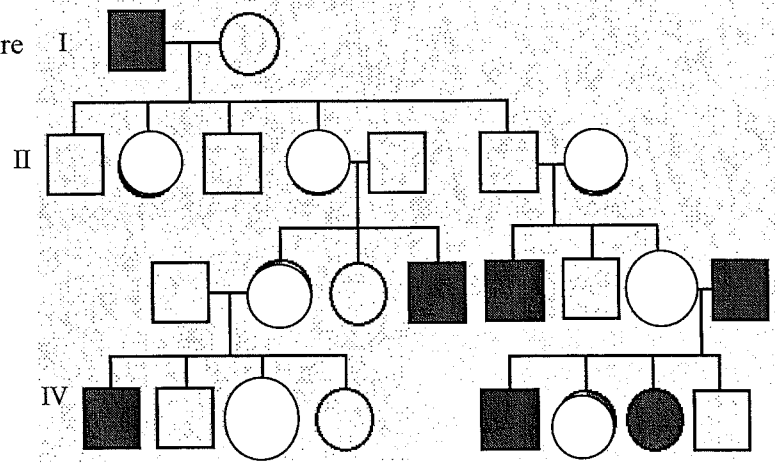
6. The pedigree to the right shows a family's pedigree for Hitchhiker's Thumb. Is this trait dominant or recessive



7. How do you know?
8. How are individuals III-1 and III-2 related?
9. What is the genotype of the 2 individuals that have hitchhiker's thumb?
10. Which two individuals are carriers of hitchhiker's thumb.

11. Is it possible for individual IV-2 to be a carrier?
12. **Fill in the genotypes.**

13. The pedigree to the right shows a family's pedigree for colorblindness. Which sex does colorblindness occur more often?



14. With this in mind, what kind of trait is colorblindness (use your notes) sex-linked or autosomal?

15. **Fill in the genotypes.**