Pedigree Worksheet

Name ____________________________

I

II 1 2

III 1 2 3

IV

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.