

12. Why do scientists use computer programs to model protein structure and function?

Date

- 13. What provides the "blueprint" for making a protein?
- 14. What is heredity?
- 15. Why aren't children identical to either one of their parents?
- 16. In humans, how many chromosomes does each parent pass on to their offspring?
- 17. Does the second baby in the What is Heredity? animation inherit the exact same chromosomes as the first? Do both babies have a complete set?
- 18. What is a trait?
- 19. List the types of traits that exist.
- 20. Give an example of how an environmental factor can influence a trait.
- 21. Briefly explain how the Hitchhiker's Thumb trait is determined using the following words: allele, dominant, recessive, homozygous, heterozygous. You may draw pictures if you wish.