

● The Human Genome Project

Answer the following questions using information from the textbook.

1. Where are genes located? _____
2. What does a chromosome map show? _____
3. What is another name for the entire chromosome map of an organism? _____
4. Do scientists know the location of all the genes? _____
5. How many chromosomes are there in each human body cell? _____
6. About how many human genes are there? _____
7. What is the Human Genome Project? _____

8. What are genes made up of? _____
9. What kinds of diseases might scientists be able to detect by examining a person's genes?

10. What benefit is there in knowing that a person may develop a disease? _____

11. Why might a person make a decision not to have children based on information in the genome? _____

12. What kind of discrimination might a person face whose genome indicates the possibility of the development of a certain disease? _____

13. How might early detection of a physical or mental handicap benefit a child? _____

14. How might the Human Genome Project benefit other sciences? _____

15. What benefit is there in knowing the location and DNA code of disease-causing genes?

