

Name _____

Discovering the World of Cytogenetics

Short Answer

1. What is karyotyping, and how is it used in cytogenetics?
2. What is fluorescence in situ hybridization (FISH), and what does it allow scientists to visualize?
3. How does cytogenetics contribute to prenatal diagnosis and reproductive medicine?
4. Why is cytogenetics important for understanding the genetic basis of diseases and disorders?
5. What role does cytogenetics play in evolutionary biology and species diversity?

