

Name \_\_\_\_\_

## Unraveling Mysteries: The World of Geneticists

### Open-Ended Response Questions

1. Imagine you are a research geneticist working on discovering a new gene related to a rare genetic disorder. Describe the steps involved in your research and its potential implications for medical science.
2. Discuss the importance of genetic counseling in helping individuals and families make informed decisions about their genetic health. Provide examples of situations where genetic counseling is beneficial.
3. Explain how advances in genetics have influenced fields beyond medicine, such as agriculture and conservation efforts.
4. Consider the ethical dilemmas geneticists may face when working with technologies like gene editing. Discuss the potential benefits and risks of such technologies.

