

Name _____

Quantum Computing's Ethical and Societal Impact

Open-Ended Response Questions

1. Discuss the ethical dilemma related to the potential weaponization of quantum computing technology. How can international agreements mitigate this concern?
2. Imagine you are a teacher explaining the ethical considerations of quantum computing to your students. How would you emphasize the importance of responsible research and development in this field?
3. Reflect on the role of quantum computing in addressing environmental challenges. How can its energy efficiency contribute to a more sustainable future?
4. Predict how quantum computing might transform industries like healthcare and artificial intelligence. What societal changes might result from these transformations, and how can they be managed responsibly?

