Name _____

Unlocking the Quantum Realm: Accessibility to Quantum Computers for Research and Development

Open-Ended Response Questions

1. Imagine you are a high school student interested in quantum computing. Describe the steps you would take to start learning about quantum computing and conducting your own quantum experiments.

2. Discuss the potential applications of quantum computing in scientific research and industrial settings. How might quantum accessibility lead to breakthroughs in these areas?

3. If you were tasked with explaining cloud-based quantum computing to a younger sibling, how would you describe it, and why is it important?

4. Consider the challenges of programming quantum computers. How might advancements in quantum programming languages and tools improve the accessibility and usability of quantum computers for a broader audience?