

Name _____

Pi's Quantum Adventure

Multiple Choice Questions

1. How did Pi discover the portal to the world of quantum physics?
 - a) It found a hidden treasure map.
 - b) It followed a trail of mathematical equations.
 - c) It stumbled upon a peculiar portal.
 - d) It received an invitation from a friend.

2. What is the principle of superposition in quantum physics?
 - a) Objects exist in only one state at a time.
 - b) Objects can exist in multiple states simultaneously.
 - c) Objects are always in a constant state of motion.
 - d) Objects can never change their states.

3. What is entanglement in quantum physics?
 - a) It's the process of untangling wires.
 - b) It's the phenomenon where particles can be instantly connected regardless of distance.
 - c) It's the act of mixing different substances.
 - d) It's the principle of being in two places at once.

4. What does Heisenberg's uncertainty principle state?
 - a) The more precisely one knows a particle's position, the more precisely one knows its momentum.
 - b) The more precisely one knows a particle's position, the less precisely one knows its momentum.
 - c) The speed of light is constant in all reference frames.
 - d) Particles are always in a state of constant motion.

5. What intrigued Pi about quantum computing?
 - a) Its ability to travel through time.
 - b) Its ability to perform complex calculations at unprecedented speeds.
 - c) Its ability to communicate with particles in outer space.
 - d) Its ability to create virtual realities.

