

THE MECHANICAL UNIVERSE

Video 52 - The Quantum Mechanical Universe

Name: _____

Class: _____

1. What theory governs small scale phenomenon?
2. What theory governs large scale phenomenon?
3. What is the main goal of physics?
4. Who first put the sun at the center of our solar system?
5. Who grasped the concept of changing flux perhaps best of all?
6. What was Michelson's interferometer designed to detect?
7. What did Einstein conclude about space-time?
8. Explain how quantum mechanics challenges the concept of cause-and-effect:
9. According to quantum mechanics, is the future of the universe predetermined?
10. List 3 quantities that are always conserved:
11. Explain why we no longer believe in the mechanical universe: