

THE MECHANICAL UNIVERSE

Video 44 - Mass, Momentum, Energy

Name: _____

Class: _____

1. In what year did Einstein die?
2. What is necessary to change the momentum of a ball?
3. Is any object in space ever really at rest?
4. What sort of diagram is useful in examining relative velocity?
5. What determines how much an object tends to resist a change in its motion?
6. According to relativity, what does mass depend on?
7. Can a particle ever be accelerated to the speed of light?
8. What does m_0 represent in Einstein's famous equation?
9. Where does the sun's energy come from?
10. What was the first city to be lit by atomic power?