

THE MECHANICAL UNIVERSE
Video 15 - Conservation of Momentum

Name: _____
Class: _____

1. What is meant by the idea of “The Mechanical Universe?”
2. What did Descartes believe was “fixed” in the universe?
3. Define momentum:
4. Explain what is meant by conservation of momentum?
5. Are there any exceptions for the law of conservation of momentum?
6. Write an equation for kinetic energy in terms of momentum:
7. When a cue ball hits another billiard ball, what is special about the angle between the balls after colliding?
8. For what is Descartes famous ?
9. Why are collisions so important to physicists?