

THE MECHANICAL UNIVERSE

Video 25 - Kepler to Einstein

Name: _____

Class: _____

1. Galileo believed that his explanation of what phenomenon proved Kepler was right?
2. Who wrote "Through the Looking Glass?"
3. How many tides should we have each day according to Galileo's theory?
4. How does the sun's effect on the tides compare to that of the moon?
5. What does Kepler's third law relate?
6. Explain Einstein's Principle of Equivalence:
7. According to Einstein, what affect should gravity have on a beam of light?
8. What astronomical observation made Einstein famous?
9. What is a geodesic?
10. What object is a point of infinite curvature?
11. What is meant by the "Big Crunch?"