

THE MECHANICAL UNIVERSE

Video 16 - Harmonic Motion

Name: _____

Class: _____

1. How did Galileo supposedly time the swings of the swinging lamp in Pisa?
2. What sort of factors affect an instrument's tone?
3. How long after the sun dial was the water clock invented?
4. What type of function describes simple harmonic motion?
5. What is special about the timing of a harmonic oscillator as the oscillations die down?
6. Why must clocks be wound?
7. Who answered the question of why a pendulum's swing does not depend on its mass?
8. What are the 2 conditions for stability?
9. What type of motion results in the disturbance of a stable system?