

THE MECHANICAL UNIVERSE

Video 18 - Waves

Name: _____

Class: _____

1. What state of the art physics experiment was attempted at the end of the 17th century?
2. Describe how Isaac Newton attempted to measure the speed of sound:
3. When was the first hydrogen bomb tested?
4. What is the term for the size of a wave disturbance?
5. Define wave period:
6. What determines the pitch of a sound?
7. Write down the wave equation:
8. How does an ocean wave's speed change as it approaches the shore?
9. What affects the speed of a deep water ocean wave?
10. What was the thrust of the scientific revolution during Newton's time?
11. What did Newton do to resolve discrepancies involving the speed of sound?