

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Light Waves

1. Longitudinal Waves; Waves in which the particles vibrate blank and blank in compressional pulses like blank
  2. Mechanical waves blank a blank to travel through
  3. Mechanical Waves can either be transverse or blank?
  4. Electromagnetic Waves do not need a blank?
  5. Electromagnetic waves are ALWAYS what kind of waves?
  6. Amplitude = what?
  7. Larger Amplitude = What?
  8. Wavelength = blank between 2 crests or 2 blank
  9. Shorter Wavelength = what?
  10. Frequency = the number of waves that pass by a point each blank?
  11. Blank =more energy
  12. Wave Speed= Blank at which waves blank through a medium
- A. More Energy
  - B. Second
  - C. More Energy
  - D. Speed, Travel
  - E. Back, Forth Sound Wave
  - F. Distance , Troughs
  - G. Wave , Height
  - H. Longitudinal
  - I. Need, Medium
  - J. Medium
  - K. Transverse Waves
  - L. Higher Frequency