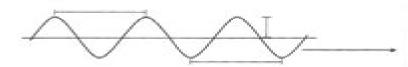
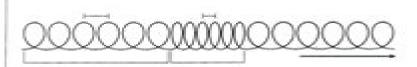


# Transverse and Longitudinal Waves

Answer the questions about waves.



- 1. What kind of wave is pictured above?
- Label the following on the wave above: crest, trough, wavelength, amplitude, direction of travel.
- 3. In what direction would the particles in this wave move, relative to the direction of wave travel?



- 4. What kind of wave is pictured above?
- Label the following on the wave above: compression, rarefaction, wavelength, direction of travel.
- 6. In what direction would the particles in this wave move, relative to the direction of wave travel?

For each wave described below, identify the wave as more like a transverse wave or a longitudinal wave.

- The wave created by moving the end of a spring toy up and down
- The wave created by moving the end of a spring toy back and forth parallel to the length of the spring

- 9. A sound wave
- 10. An ocean wave
- 11. An electromagnetic wave

# **Light Waves And Matter Answers**

**Arshad Iqbal** 

#### **Light Waves And Matter Answers:**

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