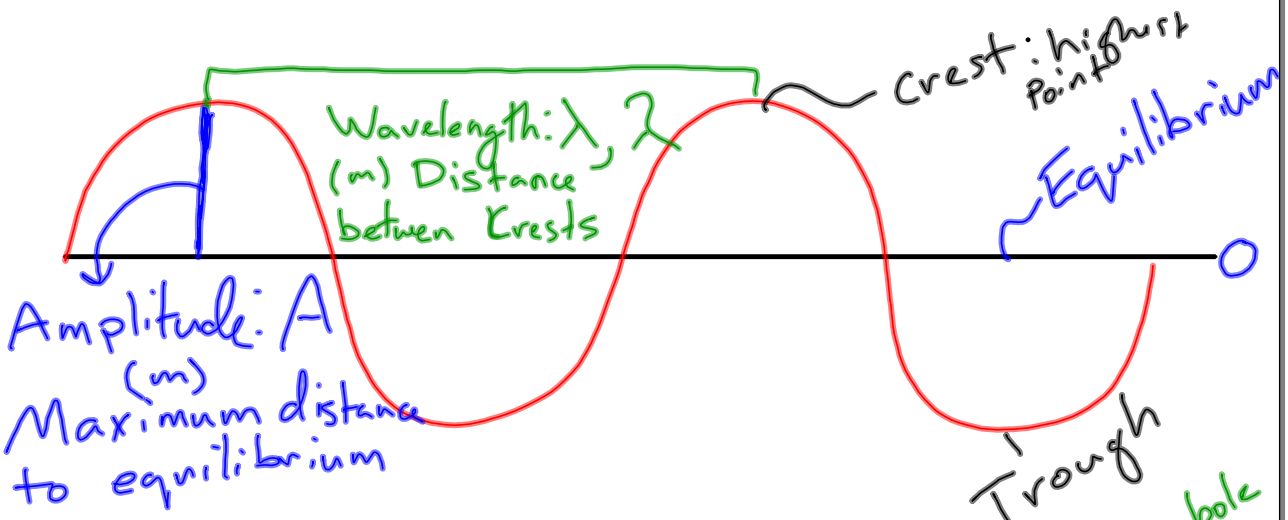
Waves 2/19/16

Oscillation: movement back and forth centered on an unmoving point.

Wave: a traveling oscillation that transfers energy but not matter.



Period: the time it takes for a full oscillation. → T = symbole

$\left(\frac{s}{wave}\right) = (s) =$ Units

Frequency: the number of waves that pass in a second.

f = symbole

units: $\left(\frac{wave}{s}\right) = \left(\frac{1}{s}\right) = (Hz)$ Hertz

$$T = \frac{1}{f} \qquad f = \frac{1}{T}$$

Wave Propagation: the way that waves move: they propagate.