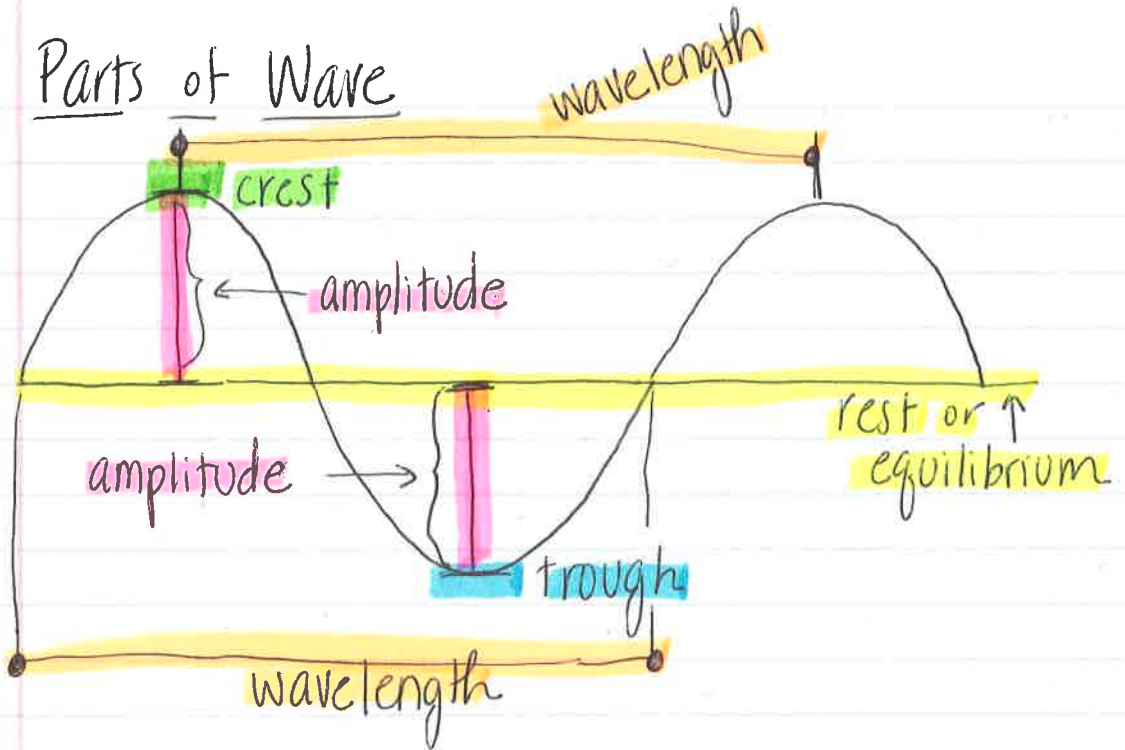


Parts of Wave



Wave Speed

speed ($\frac{m}{s}$) $v = \lambda f$ ← frequency (Hz) - $\frac{1}{s}$

↑
wavelength
(m)



$$v = \lambda f$$

$$f = \frac{v}{\lambda}$$

$$\lambda = \frac{v}{f}$$

Wave Terminology

Add pictures or equations to make sense of word.


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$\frac{1}{s}$ or Hertz $f = \frac{1}{T}$ $f = \frac{v}{\lambda}$

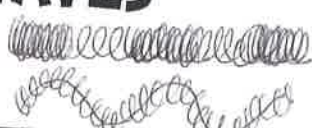
FREQUENCY

high low




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frequency energy traveling
amplitude **WAVES**
wavelength
transverse
longitudinal



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Small **AMPLITUDE** large



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$\lambda = \frac{v}{f}$

WAVELENGTH



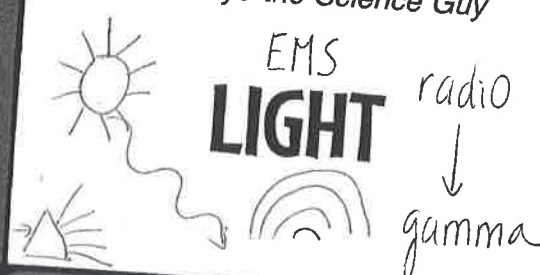
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OSCILLOSCOPE




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EMS LIGHT radio
gamma



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SEISMIC WAVES



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SOUND faster

air liquid solid

