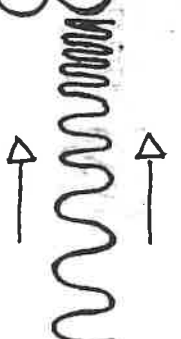


Electromagnetic Waves

DO NOT require a



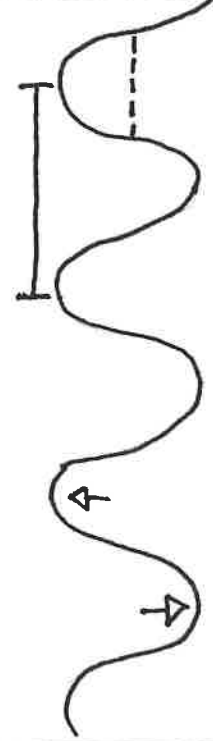
- _____
- _____
- _____

Mechanical Waves

REQUIRE a

Longitudinal Waves Example: *

Transverse Waves Example: *



Amplitude-

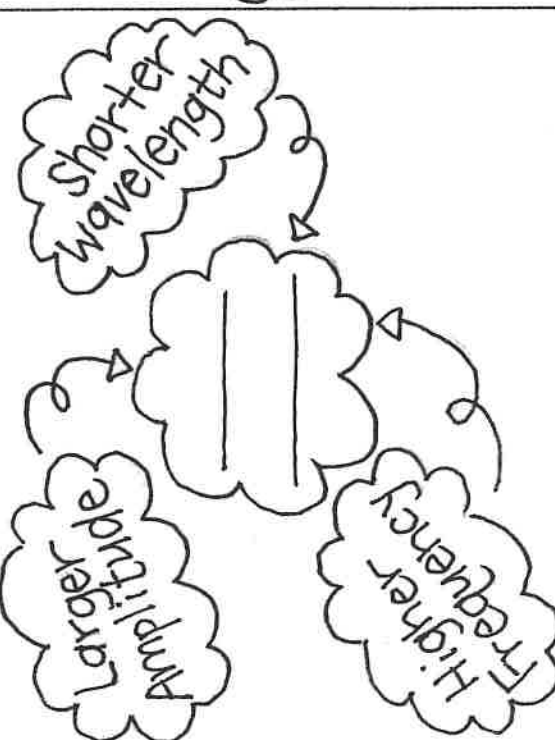
Wavelength-

Frequency-

Wave Speed-

Waves Carry ENERGY

→ NOT MATTER ←



Formulas to Know

Speed use this →

or use this →

The speed of a wave _____ if the medium, temperature, pressure _____

Frequency use this →

Wavelength use this →

So... if the frequency increases, it's _____ must decrease to maintain a constant _____

Types
of
Waves

Properties
of
waves

Calculating
Wave
Behaviors