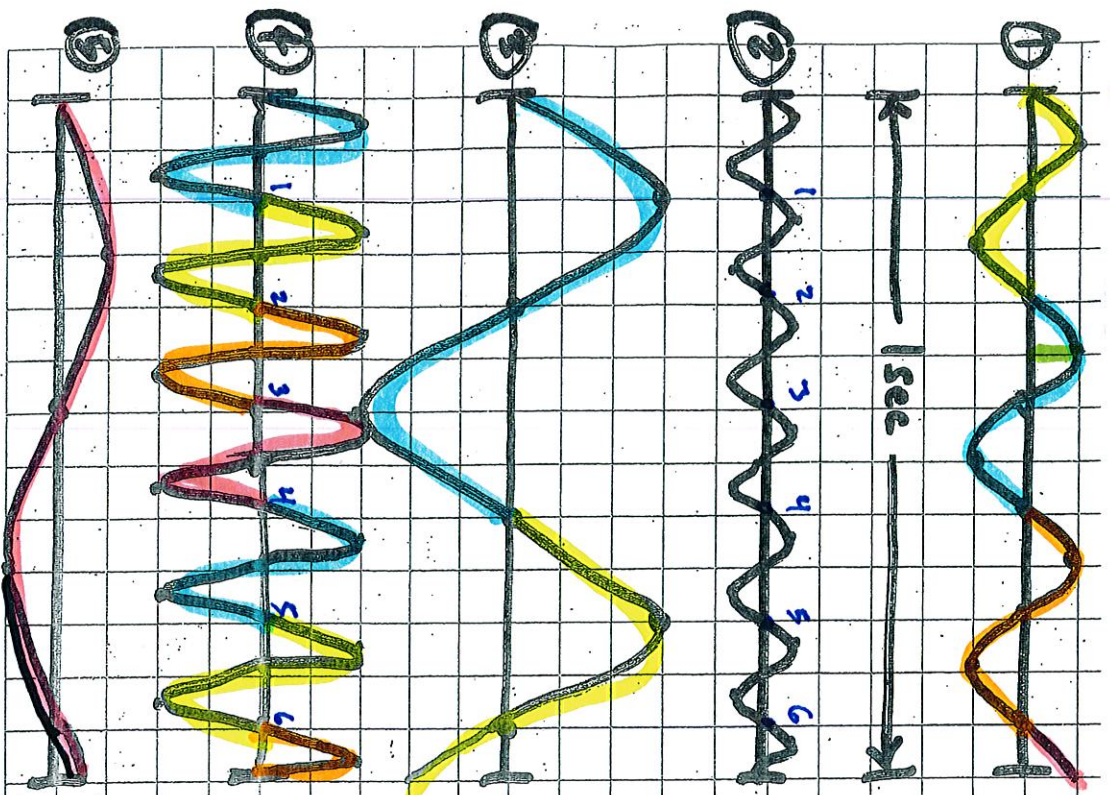


AMPLITUDE, FREQUENCY AND WAVELENGTH

EARLS' ANSWERS

Directions: Determine the amplitude, wavelength and frequency of each wave shown below. (Act as though each block represents 1 cm.)

1 — 14 — 1



1. —
 Amplitude = 1.0 cm
 Wavelength = 4.0 cm
 Frequency = 3.25 Hz
2. —
 Amplitude = 0.5 cm **Softest Sound**
 Wavelength = 2.0 cm
 Frequency = 6.5 Hz **Highest Pitch**
3. —
 Amplitude = 3.0 cm **Loudest Sound**
 Wavelength = 8.0 cm
 Frequency = 1.65 Hz
4. —
 Amplitude = 2.0 cm
 Wavelength = 2.0 cm
 Frequency = 6.5 Hz **Highest Pitch**
5. —
 Amplitude = 1.0 cm
 Wavelength = 12.0 cm
 Frequency = 1.15 Hz **Lowest Pitch**