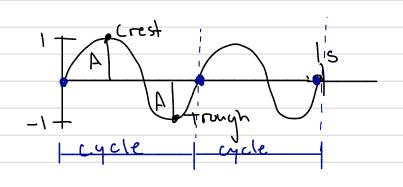
Summany:

· Physraclly, Sound is waves in the air created by variation in air poessure

- eycle: one repetition of a wave pattern
- frequency: (f) # of cycles per second (measured in Hertz-Hz)
- Amplitude: (A) the distance from the center line to the top of a cres
or bottom of a trough (usually measured in decibels of B)



f=2Hz A = 1 dB

· Sound pitch = # of varietims per second = Hz = eycles/second

· pare the = Sine wave = sound w/ constant frequency
· pepresented mathematically & sine function:

S(t) = Asin (27 ft), A = amplitude (pressure - volume in dB)

t = time (seconds)

f= Pregnery (HZ)

· Superposition = Any sound is a sum of pure tones

SLY) = SW(SIXSMA) + EW(SIX AMT) + EW (SIX KMA) = 200 Hz + 4WHz + 8WHZ (Sum of 3 pare tones)