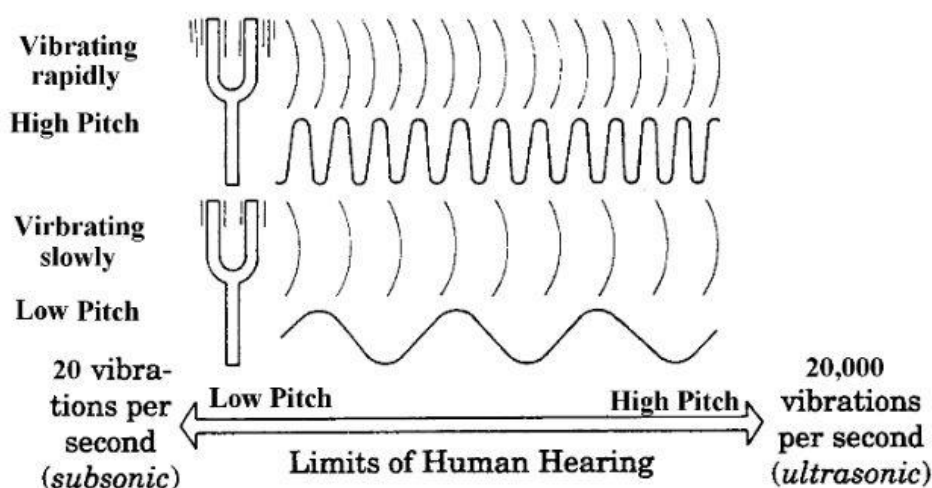


Characteristics of Sound

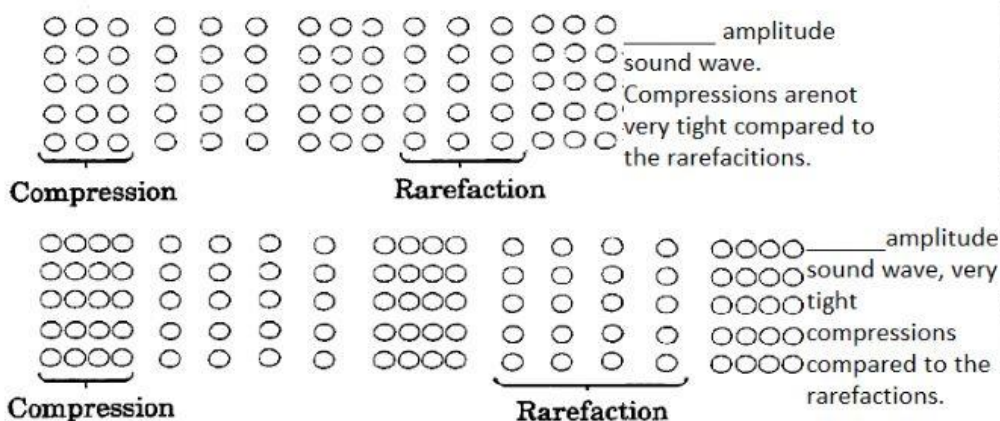
Frequency— Is the number of _____ that pass a fixed point per second Measured in _____ (Hz)



Decibels (dB)

0	silence
10	heartbeat
20	whisper
30	soft piano
40	typewriter
50	soft talking
60	conversation
70	barking dog
80	street traffic
90	food blender
100	air hammer
110	thunder
120	painful sounds
170	jet engine

II. Amplitude— Is the measure of the _____ a wave carries.



Intensity— measures the amount of sound _____ flowing through an area in a given time.

Loudness— Is the _____ perception of sound intensity.

2. Is the frequency of the following sounds high or low?

- a. whine of jet engine _____ c. fire alarm _____ e. thunder _____
b. a tuba _____ d. bass drum _____ f. flute _____

3. Write the word or words that will make each sentence a true statement.

- a. A sound with many vibrations per second (vps) produces a _____ pitch;
a sound with few vps produces a _____ pitch.
b. Whistles heard by dogs and not people have more than _____ vps.
c. Sounds of fewer than 20 vps cannot be heard by people and are said to be _____.
d. _____ is a measure of the energy in a sound wave, measured in _____.
e. Sounds above _____ decibels are painful to the ear and should be avoided.

4. What does hertz measure? _____ 5. What is the abbreviation for hertz? _____

6. What do decibels measure? _____ 7. What is the abbreviation for decibels _____