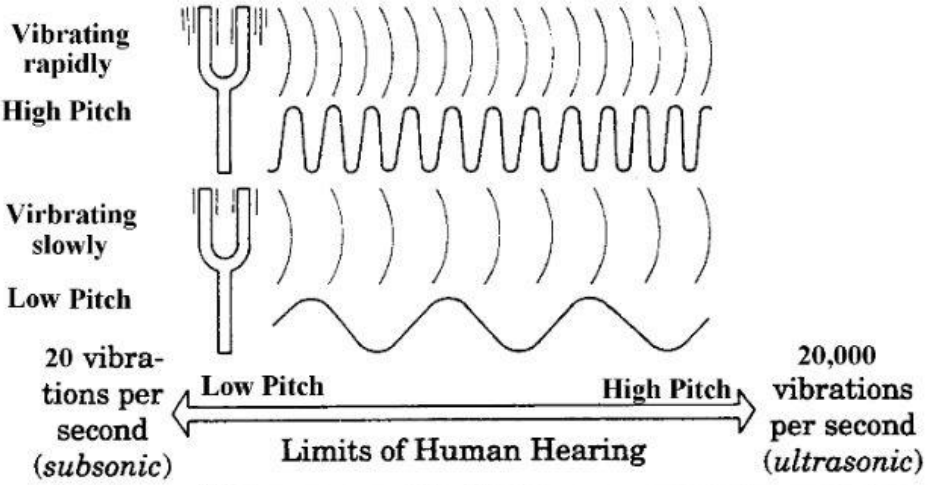
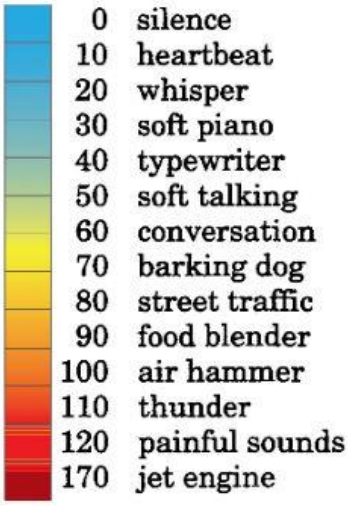
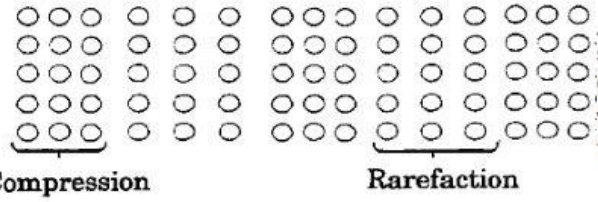
Characteristics of Sound

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



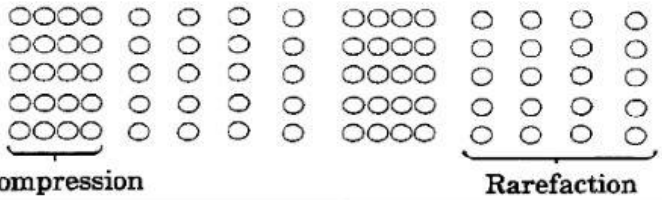


II. Amplitude— Is the measure of the _____ a wave carries.



_____ amplitude sound wave. Compressions arenot very tight compared to the rarefacitions.

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



_____amplitude sound wave, very tight compressions compared to the rarefactions.

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 meaure 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 decibles measure?_____ **7. What is the abbreviation for decibels** _____

LIVEWORKSHEETS