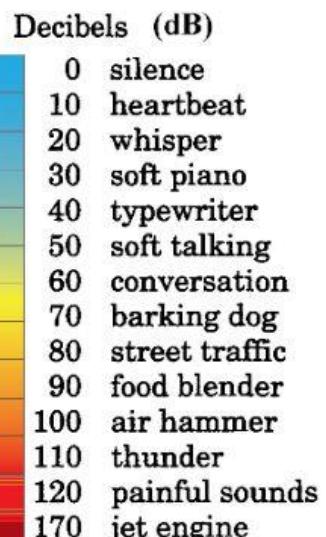
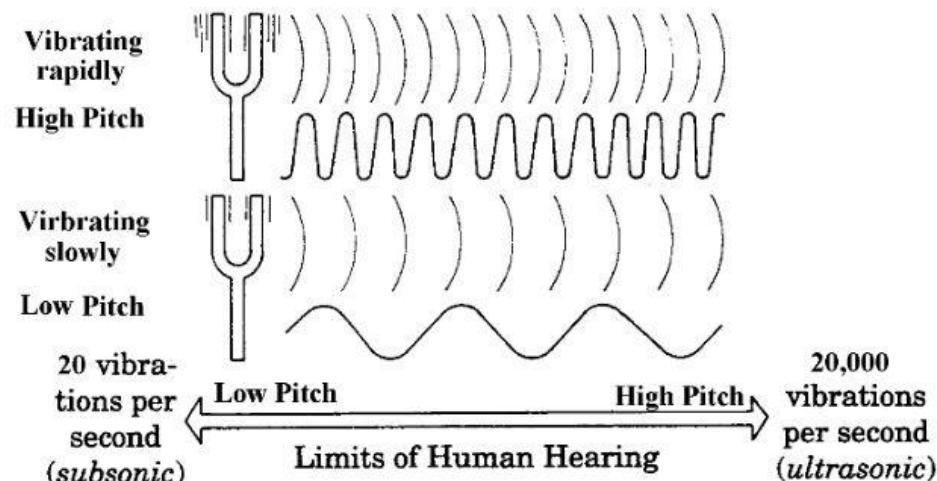
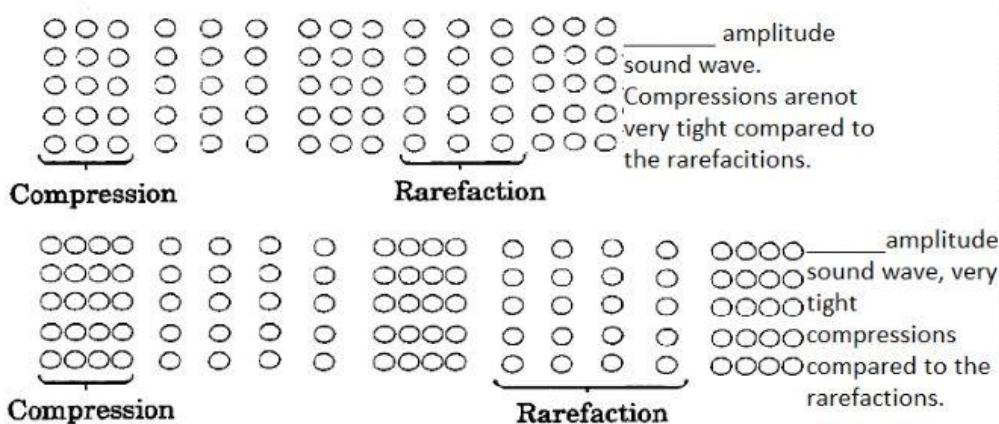


Characteristics of Sound

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.



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 _____