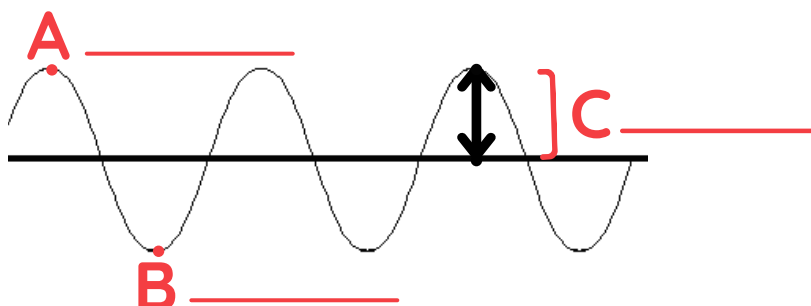


SCIENCE OF SOUND

VIDEO 3 ACTIVITY GUIDE

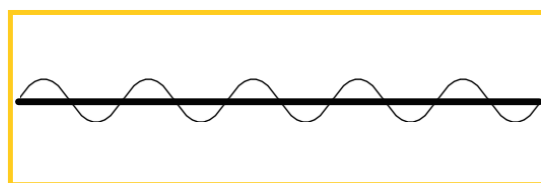
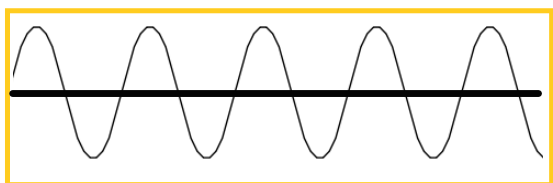
DIRECTIONS Use the following words to answer the questions below:
trough, pitch, amplitude, crest, volume.

1.) Label the parts of the soundwave below:



2.) Fill in the blank: In music, the amplitude of the wave relates to the _____ of a sound.

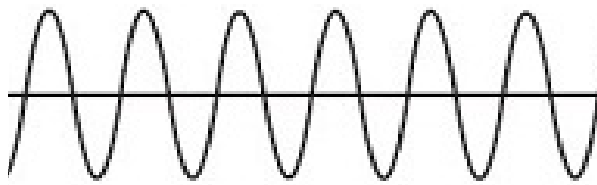
3.) Shade in the box below that represents the louder sound.



4.) Fill in the blank: In music, the frequency of the wave reflects the _____ of a sound.

.....

5.) In the box below, draw a soundwave that is lower-pitched than the wave on the left.



6.) Match the sound wave manipulation to its meaning by drawing a line from the word and definition to the illustration.

REFLECT: "mirror" a sound wave

REFRACT: sidetrack the energy of a wave by breaking it up or redirecting it

ABSORB: reduce the energy of a wave by stopping it, slowing it down, or soaking it up

