

March 19

Amplitude

Sound waves can have different amplitudes or loudness. The waves can be big or small. Big sound waves are louder and have higher amplitudes. Small waves are softer and have a low amplitude.

If you increase amplitude you make it louder

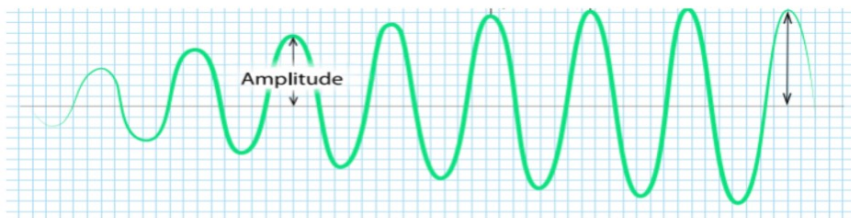
(high Amplitude = louder sound)

(Ex. Turn up volume)

If you decrease amplitude you make it softer

(Small Amplitude = softer sound)

(Ex. Turn down volume)



(amplitude is the loudness, and decibels measure the loudness/ amplitude)



Amplitude

Look at the following waveforms and decide if it is a LOUD sound or a SOFT sound by looking at the amplitude.

<p>A</p> <p><input checked="" type="radio"/> Loud <input type="radio"/> Soft</p>	<p><input type="radio"/> Loud <input checked="" type="radio"/> Soft</p>
<p>B</p> <p><input type="radio"/> Loud <input checked="" type="radio"/> Soft</p>	<p><input checked="" type="radio"/> Loud <input type="radio"/> Soft</p>
<p>C</p> <p><input type="radio"/> Loud <input checked="" type="radio"/> Soft</p>	<p><input checked="" type="radio"/> Loud <input type="radio"/> Soft</p>