

the reason thunder precedes lightning is because the sound wave strikes first, rebounding against the earth, which acts as a doubling crystal second harmonic frequency generator, which in layperson's terms means that the earth alters the frequency of the sound wave, changing it to a light wave, which arrives in the sky, then rebounds again from the source cloud, & comes back at us again as lightening...(a lightwave is a LOWER nm number than a sound wave or ultrasound wave -which means that a lightwave has a THINNER amplitude and a longer length, whereas a sound wave has a shorter length and a WIDER amplitude or width...

A nm number of 809 is a infrared light wave number-if you increase the length of that light wave you tend to decrease its amplitude-which turns that lightwave into something that goes deeper under the skin-or deeper into the earth's crust...

A 300 nm wave is longer in length but less wide in amplitude-so the lower number in nm represents the thinner amplitude-a 1 megahertz wave is thinner & in nm is 300 nm...

*(nm or hertz ratings are talking about WIDTH or AMPLITUDE or fatness of the wave)...a longer wave is stronger than a shorter wave...A fat wave is weaker than a thin wave...a light wave is stronger than a sound wave...an ultrasound wave is weaker than a sound wave...

A frequency doubling(doubling means Lengthening the wave) crystal lowers the nm number, but increases the length of the wavelength...

Boron crystals are easy to make at home, 1 cup Borax to 2 cups water, boil, let cool, then put in a glass, put a string or something for it to grow on, suspend string so crystals don't stick to glass, & wait 3 hours...

Beta Barium Boron crystals are good for frequency doubling-making a wavelength longer but thinner...

Natural crystals like selenite could all be used to double frequency, which is also called second harmonic frequency generation doubling...

Doubling a frequency is when you increase the length of a wave, like when a thunder sound wave bounces off the earth's MINUS element metals, and returns as lightening...

Lightwaves are longer and thinner than soundwaves which are shorter and fatter...

Short fat waves hit skin more superficially whereas long thin waves hit skin deeper...

Ultrasoundwaves hit less deep into tissue than light radiation type waves...

Infrared laser light waves are closer to microwaves than regular lightwaves in nm...