

The **medium** of a wave is what the wave travels through.

A **vibration** is a complete back and forth motion - the vibration is the disturbance that gets the wave started.

**Frequency** in Hertz (Hz) is:

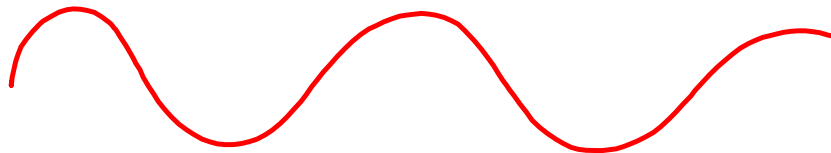
The number of vibrations/sec that create the wave.

← same  
thing →

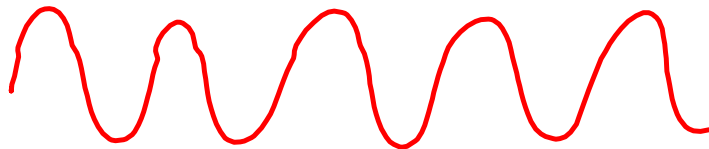
The number of waves/sec that get created.

If you try to send the waves at a higher frequency, the wavelength shortens up, and they don't end up going any faster.

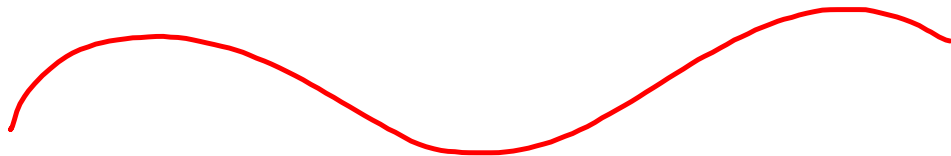
original:



higher freq:



lower freq:



If you try to send the waves at a lower frequency, the wavelength spreads out, and they don't go any slower.

