

same  
distance  
from the  
resting  
point

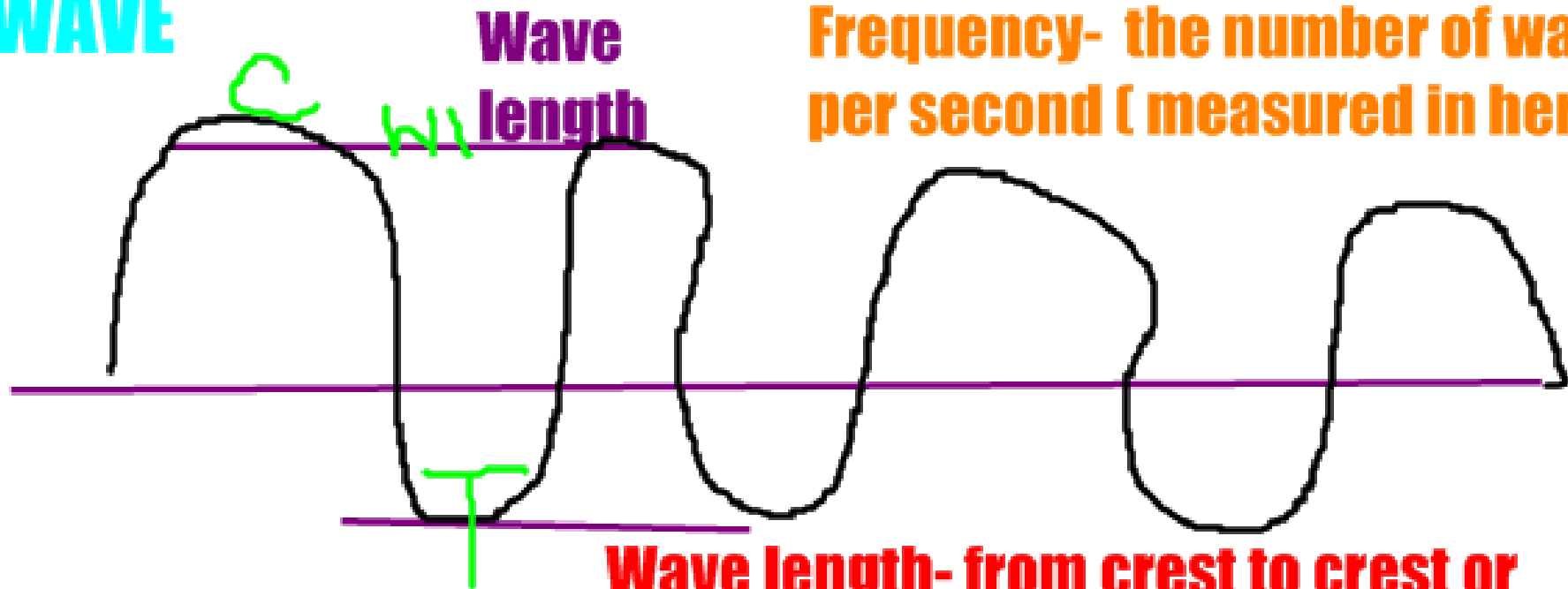
**Crest-** highest point the medium  
moves away from the resting point

**Trough-** the lowest point the medium  
moves away from the resting point

**Amplitude-** shows the amount of energy, the  
larger the amplitude, the larger the energy

**Frequency-** the number of waves  
per second ( measured in hertz)

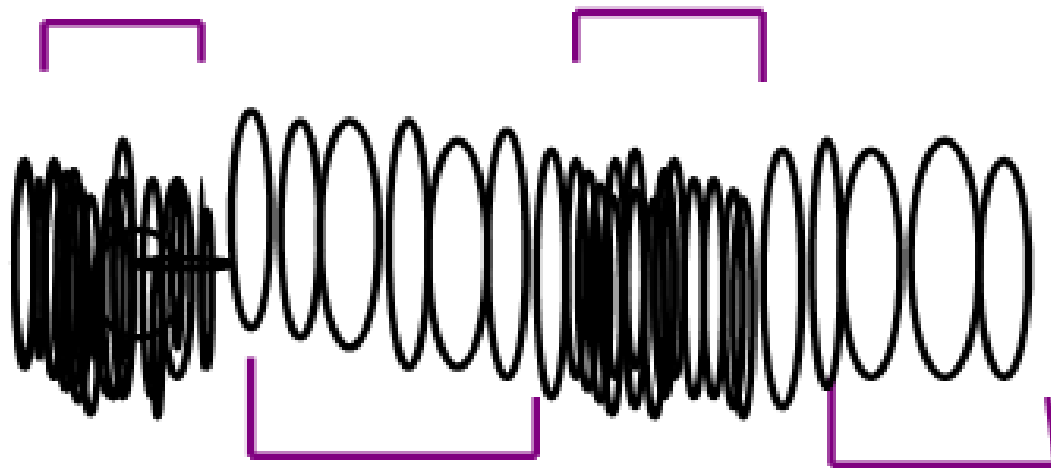
## TRANSVERSE WAVE



**Wave length-** from crest to crest or  
trough to trough

# LONGITUDINAL WAVE

**Compression-** shows the amount of energy carried by the wave. the more compressed the more energy



**Rarefaction-** space between the compressions

**wave length-** 1 compression and 1 rarefaction length

