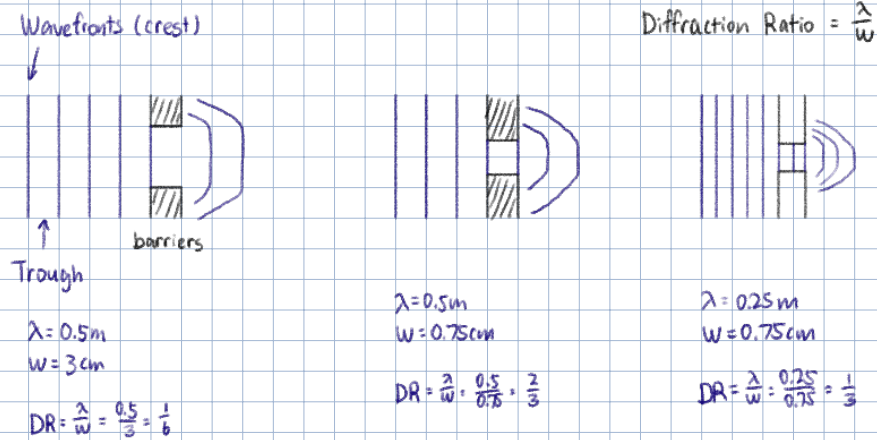


The bending and spreading of a wave as it passes through an opening. The amount of bending is dependent on the size of the opening (w) and the wavelength of the wave (λ)



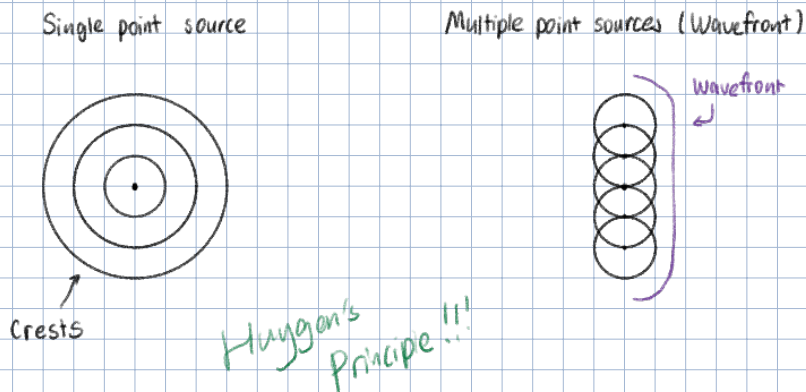
\therefore The higher the diffraction ratio, the more bend to the wave.

* To see diffraction, λ and w , have to be of similar magnitudes.

Why do waves bend??

Imagine each particle of a wave as its own point source.

(Examples: ball bobbing in water, dip your finger in water)



Two point source interference

Two point sources create the two circular wave patterns which interfere to create areas of total and partial constructive and destructive interference

