

Refraction and Diffraction of waves:

REFRACTION:
 This is the CHANGE IN DIRECTION of a wave at the boundary between two media.
 This happens for all types of waves (sound, light, water waves, etc.)
 WATER WAVES refract when they travel into an area of different depth.

ex: Water waves always travel into shallower water and change dir so that they always crash onto a beach parallel to it.

FOR LIGHT:
 "Bent Stick Effect"
 A diagram shows a stick partially submerged in water. The part in water is bent towards the normal. Labels include 'Normal', 'Incident ray', 'Refracted ray', and 'Image'.

DIFFRACTION The "Bending" usually gradually of waves around corners.
 This is why sound bends around door openings or around the corner of buildings.
 LIGHT: ~~Young's~~ double slit experiment.

* the smaller λ is the less the diffraction.
 * the narrower the slit the greater the diff.

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