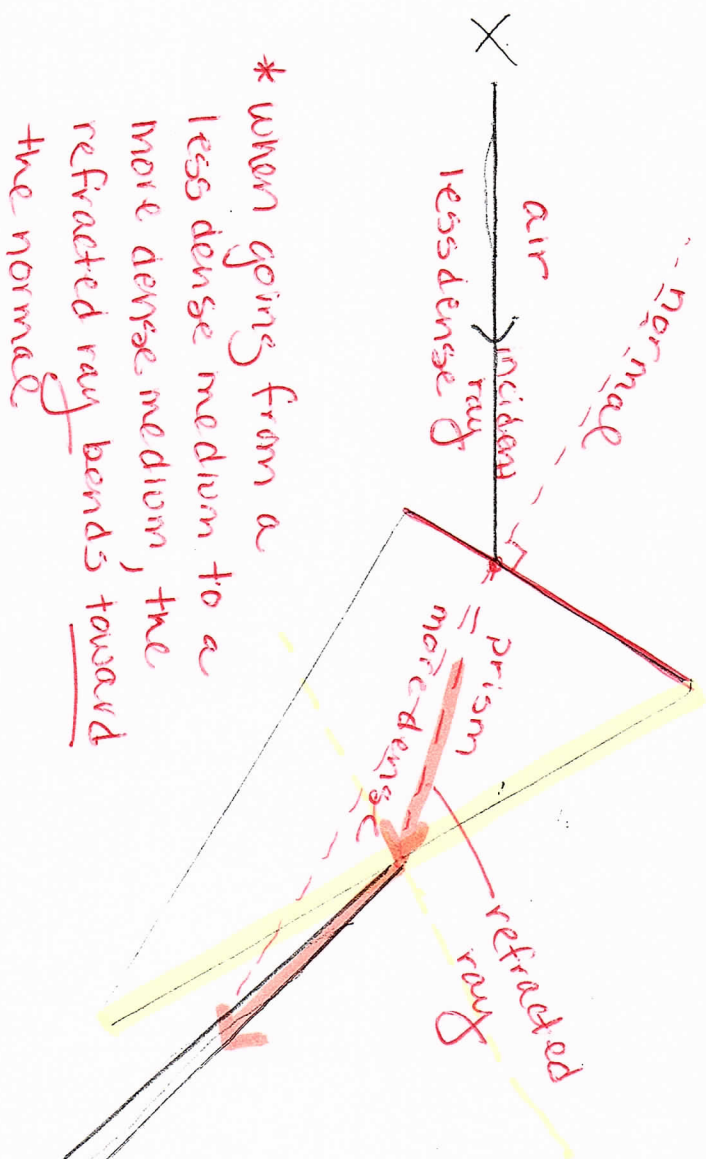


# Challenge #10 - Prism (triangle, one beam)

What happens when a light ray passes from ~~the~~ one medium to another? \* when at an angle, the light ray will bend

→ The bending of light due to a change in its speed is called REFRACTION



\* when going from a less dense medium to a more dense medium, the refracted ray bends toward the normal

\* more dense → less dense, refracted ray bends away from normal

# Challenge #7 - Prism (triangle, 3-beam)

\* every medium has a specific INDEX OF REFRACTION, which is a measure of the amount by which a material refracts light

→ comparison of the speed of light in air to the speed of light in a certain material

air → 1

water → 1.33

ice → 1.31

glass → 1.5

diamond → 2.4  
lead → 2.16

