

less dense Air

more dense Water

Normal

θ_i

θ_r

(Light slows \rightarrow tends towards the normal)

Speed of light
 3×10^8 m/sec
 300,000,000

Fusco says "Refraction"

Fisik
Light travels
 differently in air/Water

Density

Vacuum

Nov 9-9:21 AM

sunlight

Prism

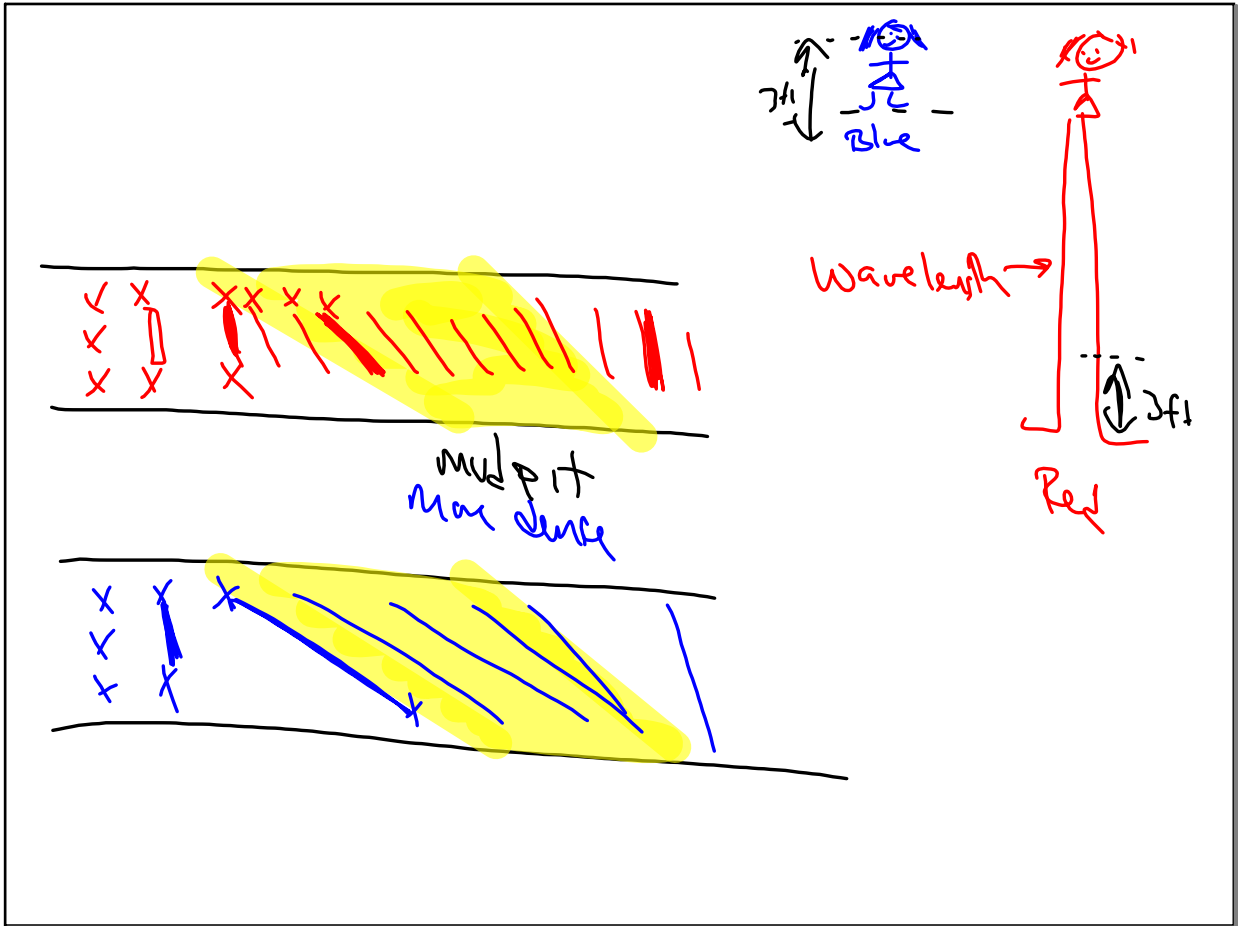
Red

Blue

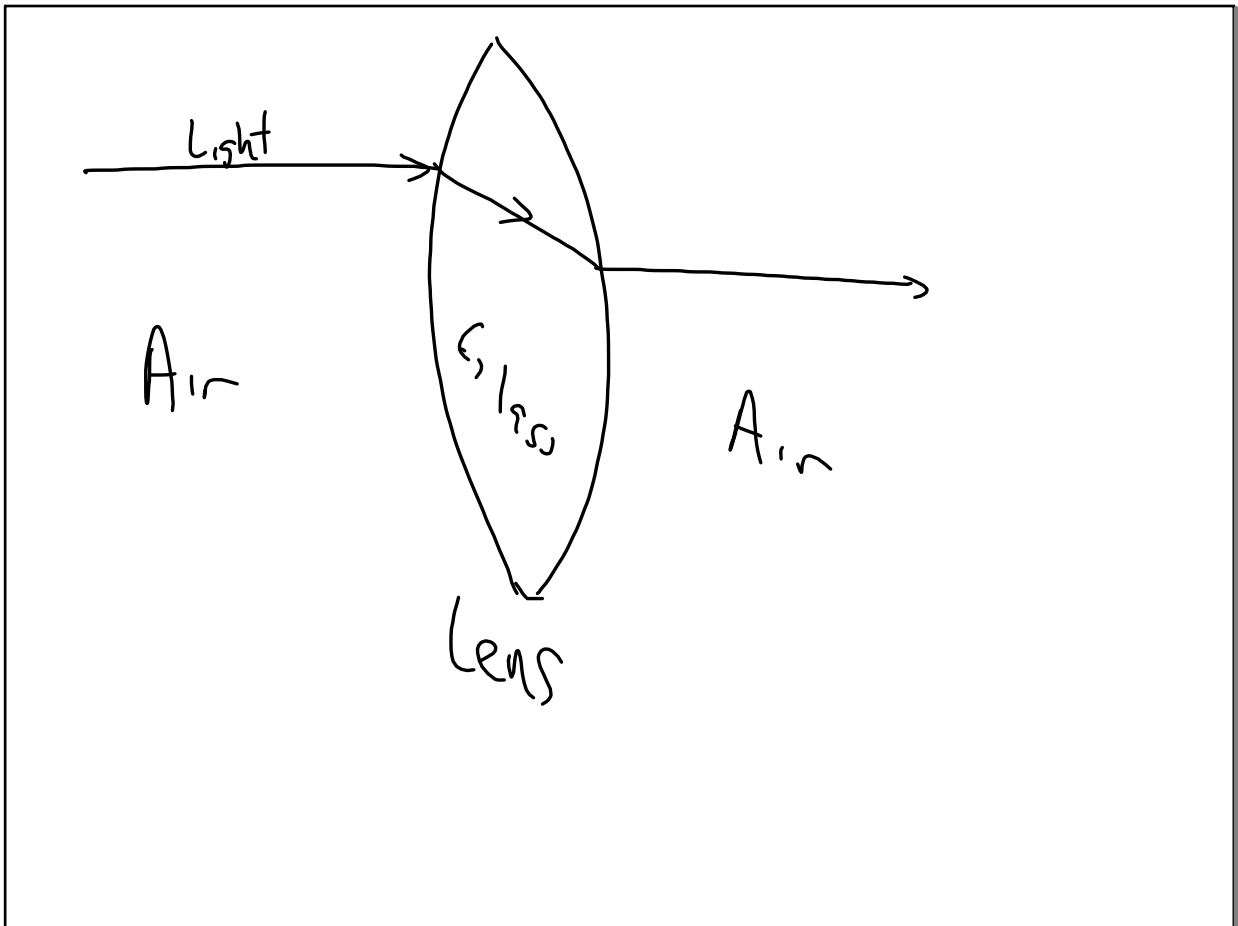
Wavelength

Ray of Blue

Nov 9-9:47 AM



Nov 9-9:48 AM



Nov 9-9:54 AM

Polarizing Sunglasses

adjust wavelengths
of light

Minimize # of d.f. \rightarrow
entering.

\leftarrow lambdas

Nov 9-9:56 AM