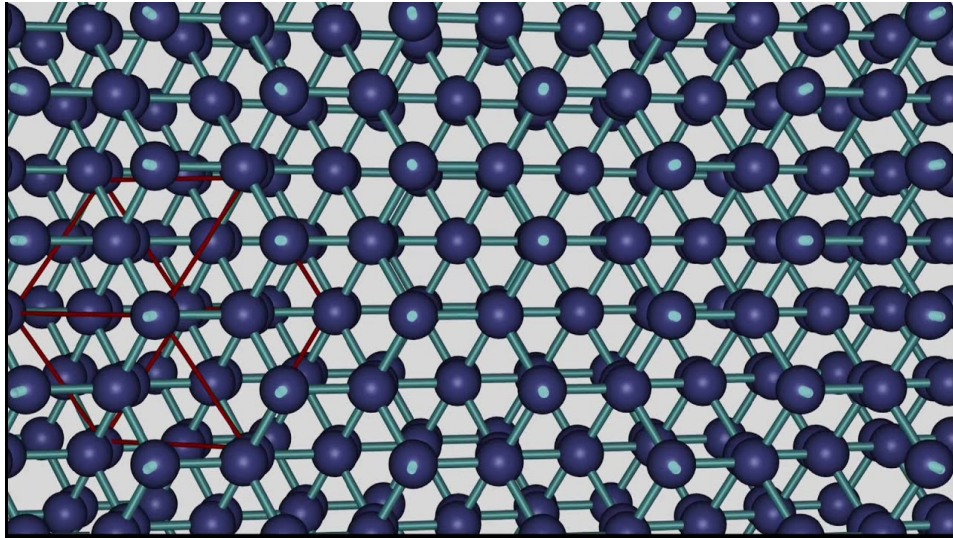
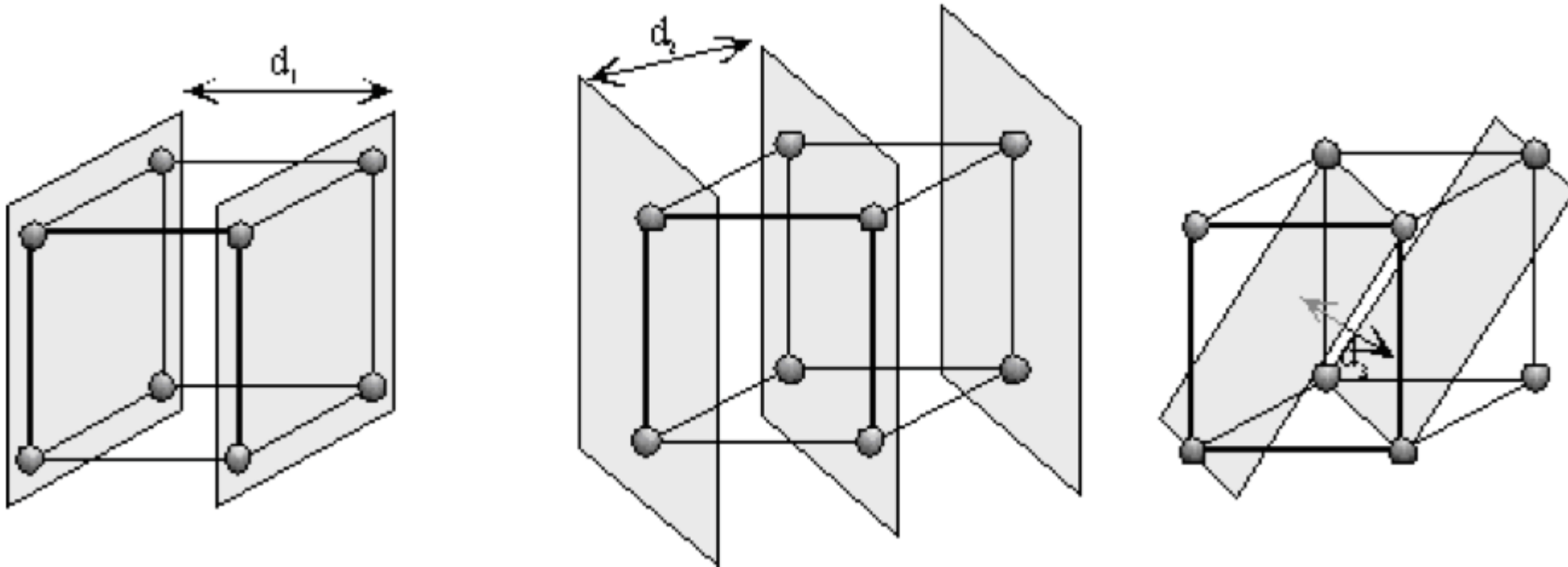
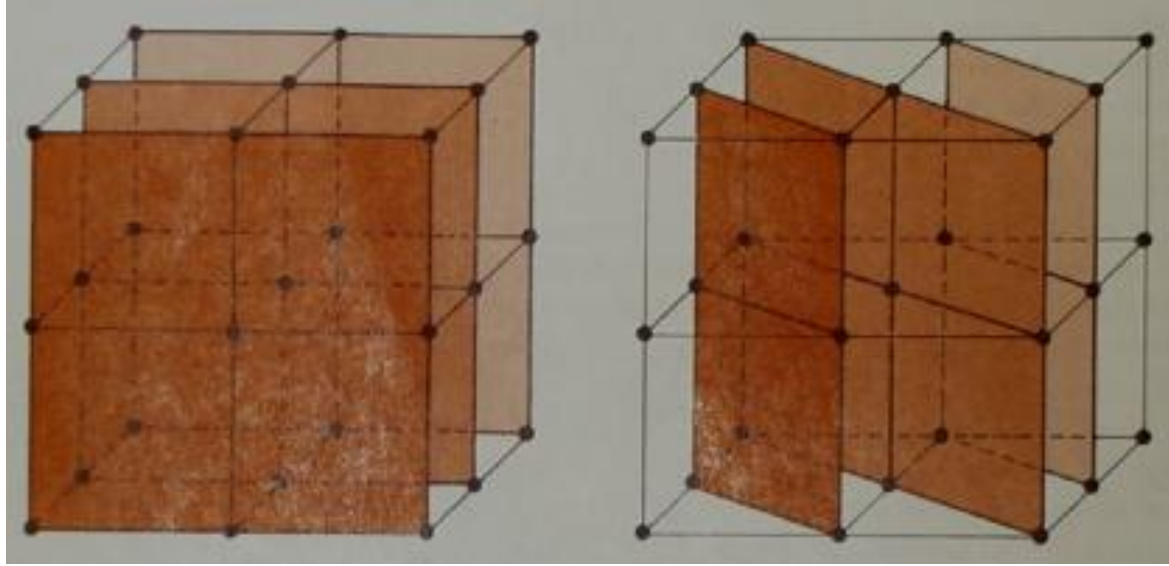


# Most Solids are Made Up of Regular Arrays of Atoms: Crystal

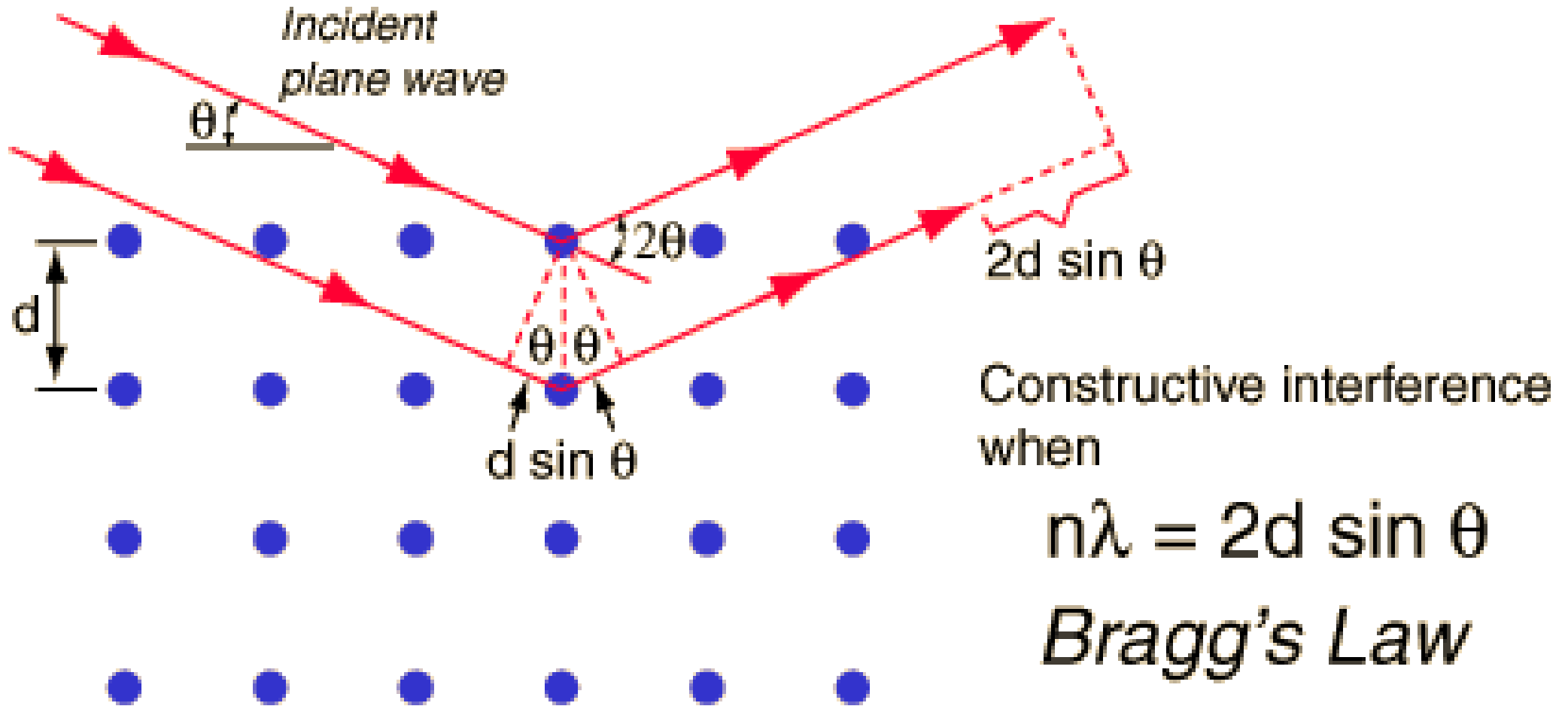


# Bragg Diffraction Planes

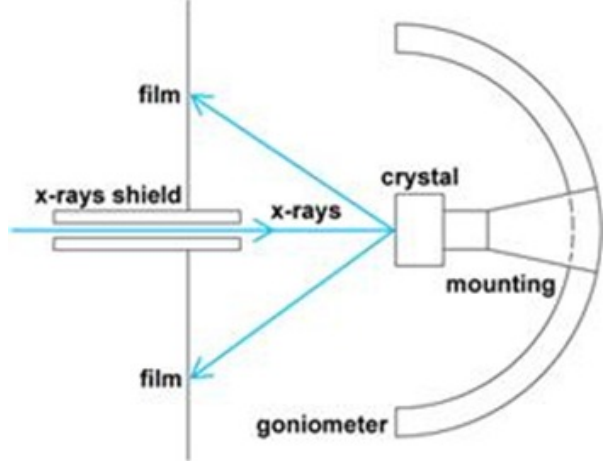
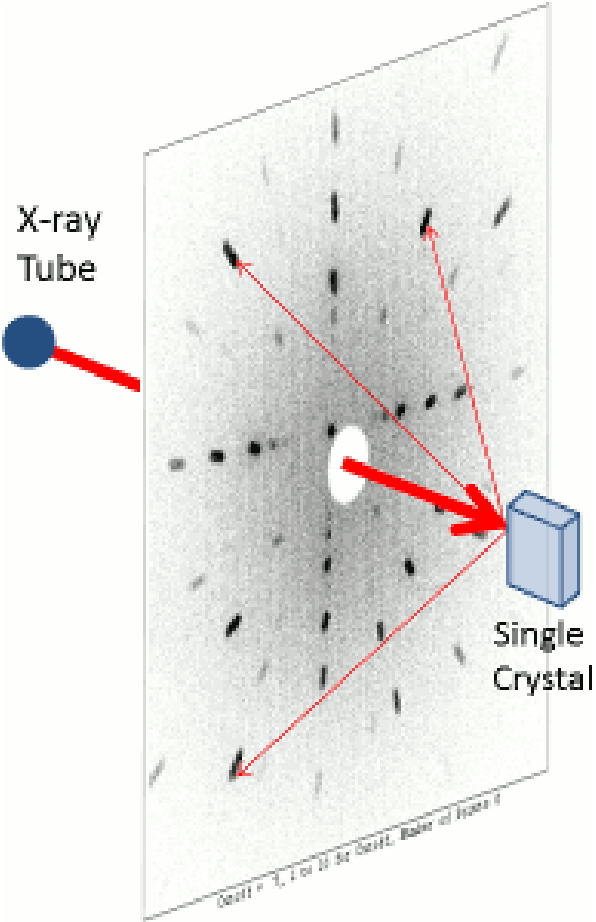
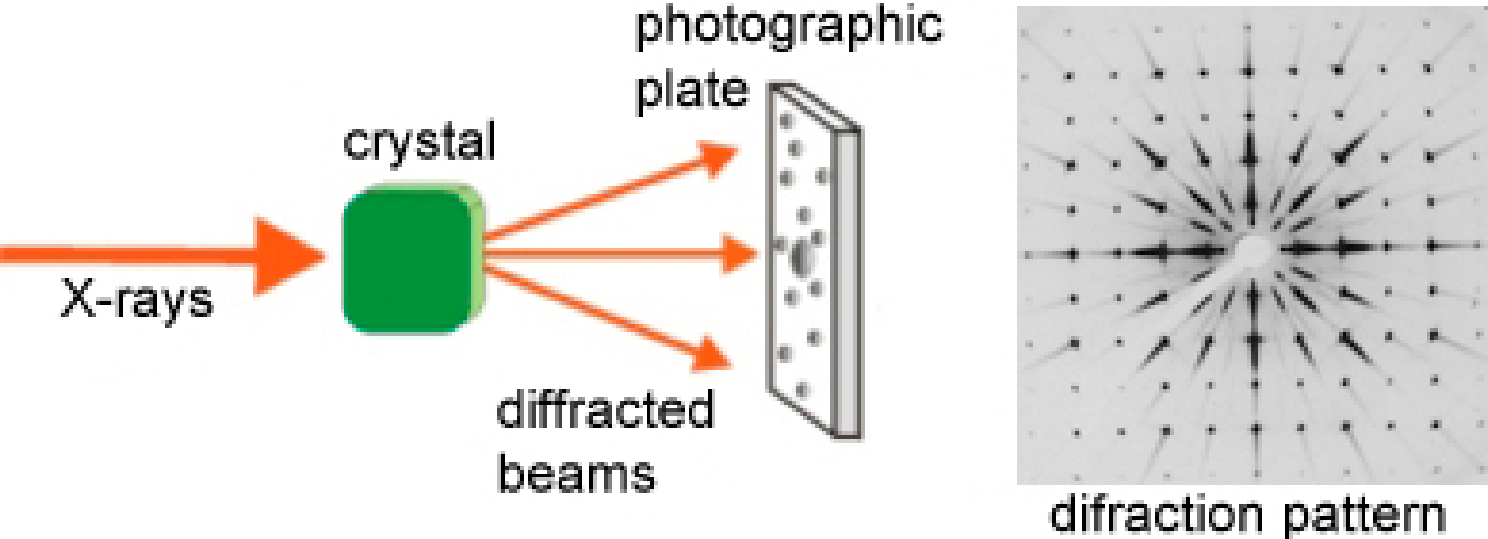




# Bragg Diffraction Condition

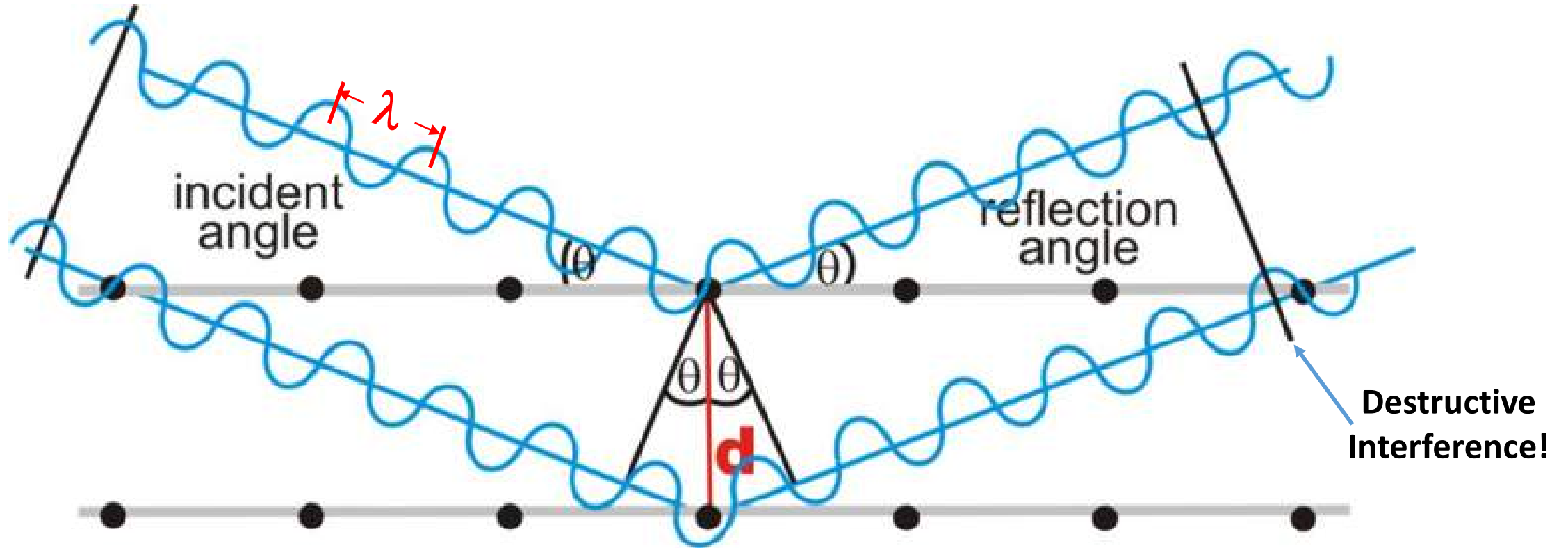


# Laue Diffraction of Crystals



# Bragg Diffraction Condition

(Destructive Interference case!)



Note that the wave undergoes  $3/2$  of a wavelength oscillation