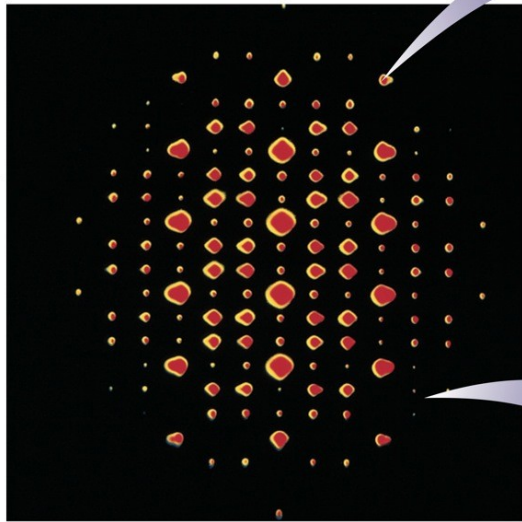
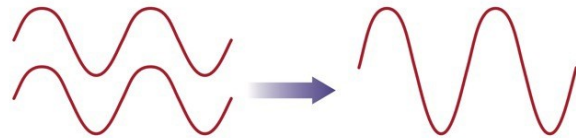


# Interference of Waves

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## Constructive interference

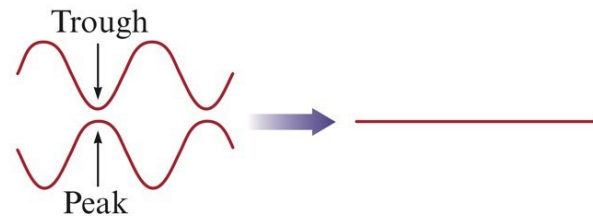


Waves in phase  
(peaks on one wave  
match peaks on the  
other wave)

Increased intensity  
(bright spot)

a

## Destructive interference



Waves out of phase  
(troughs and peaks  
coincide)

Decreased intensity  
(dark spot)

b