

Name \_\_\_\_\_

Picture It!

### Light Waves

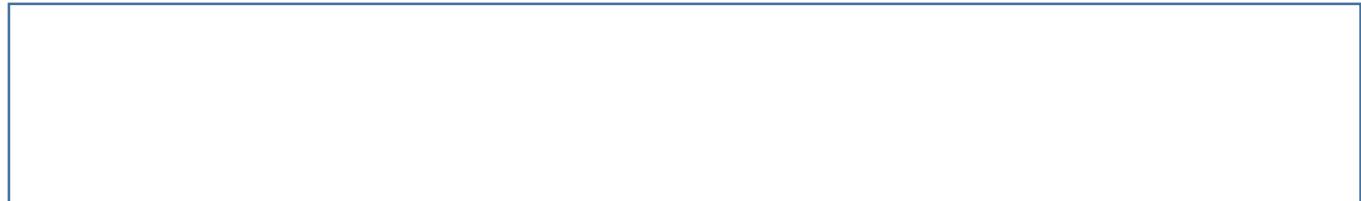
Picture the difference between transparent, translucent, and opaque:



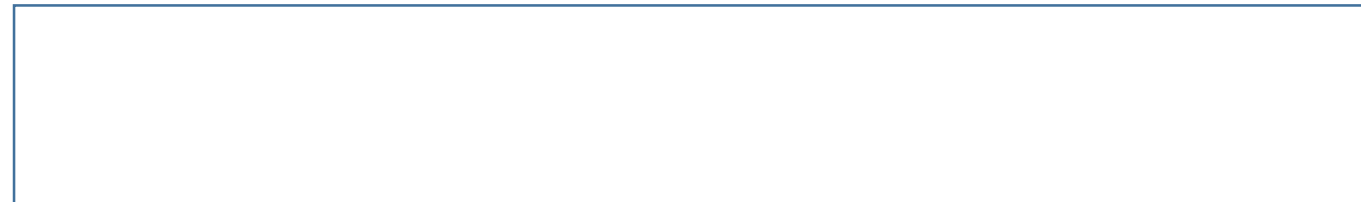
Picture the difference between absorption and reflection:



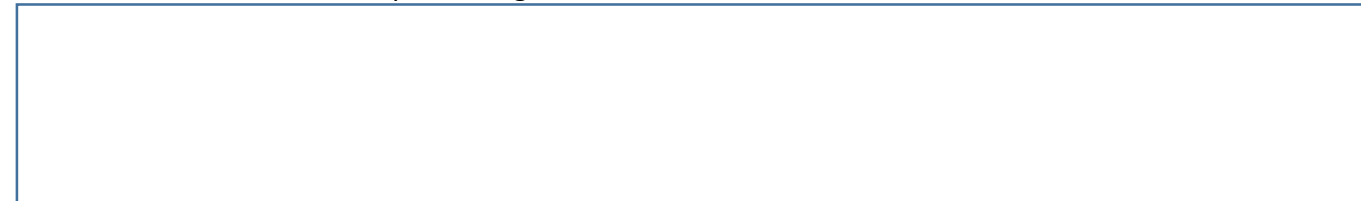
Picture how the colors of light can be transmitted, reflected and absorbed:



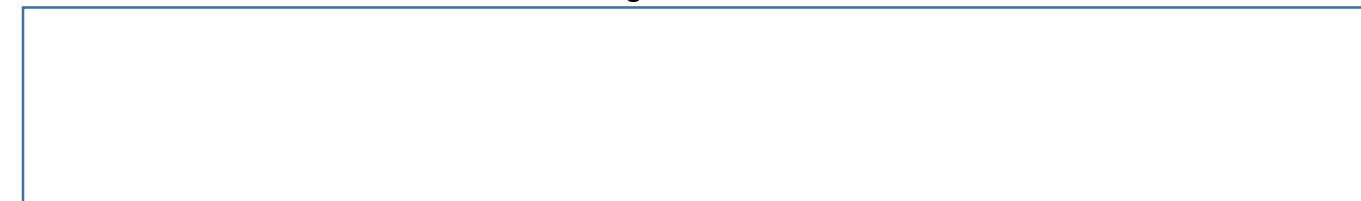
Picture how a filter affects visible light:



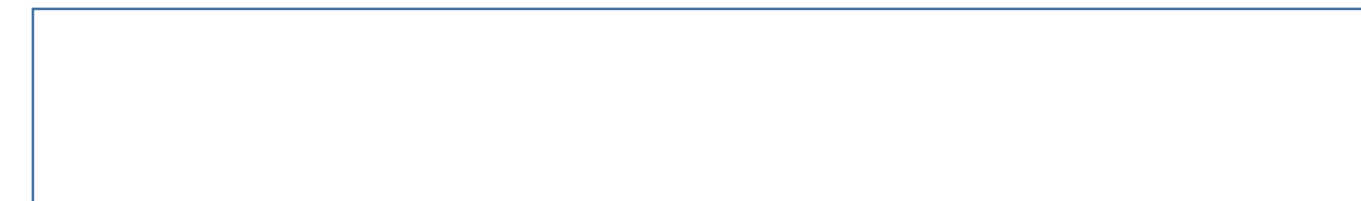
Picture how matter affects the speed of light:



Picture how matter causes refraction and scattering:



Picture the difference between a blue sky and a red sky:



Name \_\_\_\_\_

Picture It!

## Sound Waves


Picture a sound wave:



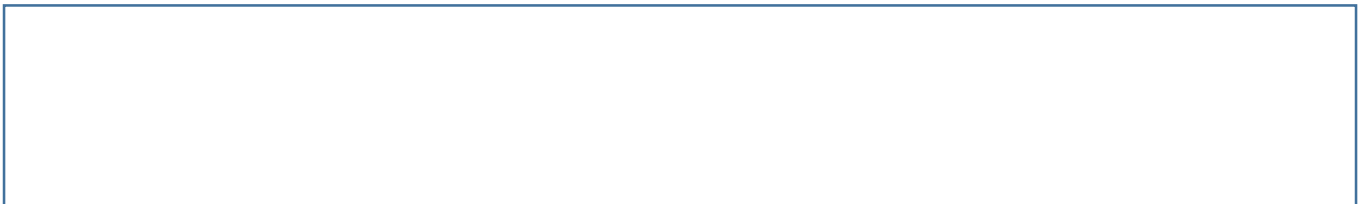
Picture the medium where sound travels:



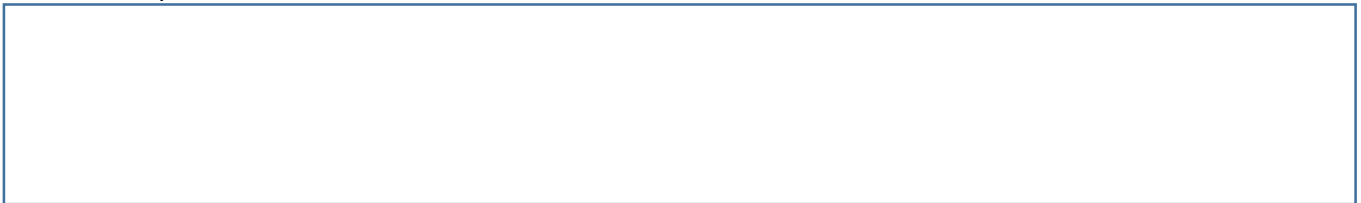
Picture how we use our ears to hear sound:



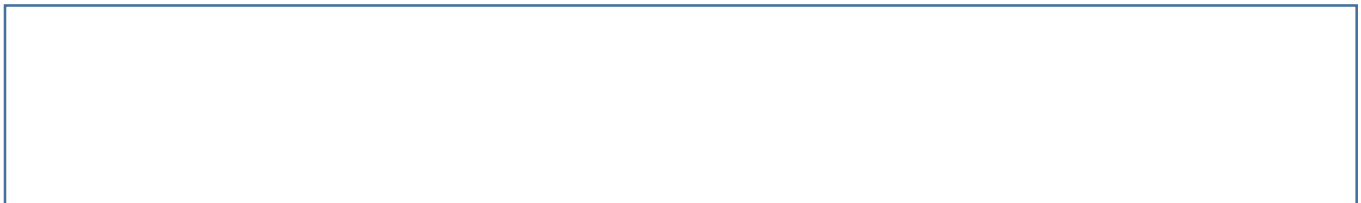
Picture how frequency and wavelength affect pitch:



Picture how amplitude affects loudness:



Picture how 20 decibels compares to 120 decibels:



Picture the Doppler effect:

