Fun Facts About Sound:

- Sound travels at 760 miles/hr.
  Have older students calculate how long it takes for sound to travel one mile. (1 mile in a little less than 5 seconds) So during a storm you can calculate the distance to a lightning strike by counting the seconds between a lightning strike and the resulting thunder and then dividing it by 5 to get the approximate distance in miles!

- Frequency and wavelength are inversely related (freq. = speed of sound/ wavelength), so given the range of voices from bass to soprano we can figure that the sound waves coming from our mouths are between 1 and 12 feet long!

- The actual difference in the density of the compressed and rarefied air in a sound wave, from a piano string for example, is only about 1/100th of 1%!

- For more about the Physics of Sound and of Music look for Physics of Music demonstrations in the physics lab at the Oregon Museum of Science and Industry.

Add more fun facts that you or your students find below:

More Fun Facts About Sound

© Oregon Museum of Science and Industry, 2005