Subject: Re: Sound and Elevation
Posted by Cask05 on Sat, 14 Dec 2013 18:31:59 GMT
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From the same Wikipedia article
http://en.wikipedia.org/wiki/Speed_of_sound#Dependence_on_the_properties_of_the_medium:

"At a constant temperature, the ideal gas pressure has no effect on the speed of sound, because pressure and density (also proportional to pressure) have equal but opposite effects on the speed of sound, and the two contributions cancel out exactly."

from http://www.ndt-ed.org/EducationResources/HighSchool/Sound/tempandspeed.htm

"Temperature is...a condition that affects the speed of sound. Heat, like sound, is a form of kinetic energy. Molecules at higher temperatures have more energy, thus...sound waves can travel more quickly."