

EXPONENTIAL AND LOGARITHMIC FUNCTIONS

► *How does altitude affect the air?*



CHAPTER

8

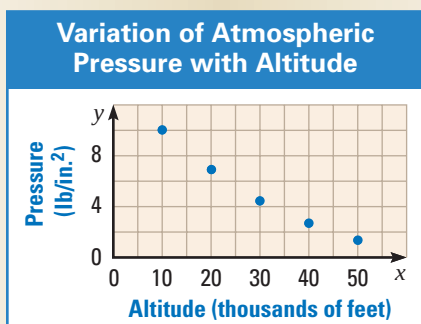
APPLICATION: Mountain Climbing

A surprising fact that you may not know is that air has weight! The weight of the air above you produces what scientists call *atmospheric pressure*.

Mountain climbers need to be aware of changes in atmospheric pressure because as the pressure decreases, so does the amount of oxygen they have to breathe.

Think & Discuss

The graph below shows the relationship between atmospheric pressure and altitude.



1. Describe what happens to the atmospheric pressure as the altitude increases.
2. Mount McKinley in Alaska is 20,320 feet high. Estimate the atmospheric pressure at its peak.

Learn More About It

You will find the atmospheric pressure at the peak of Mount Everest in Exercise 79 on p. 484.



APPLICATION LINK Visit www.mcdougallittell.com for more information about atmospheric pressure.

