Quiz: Atmosphere Linden 6th Grade Science 26 January 2012

Name: _____ Group: _____

Define "Atmosphere":

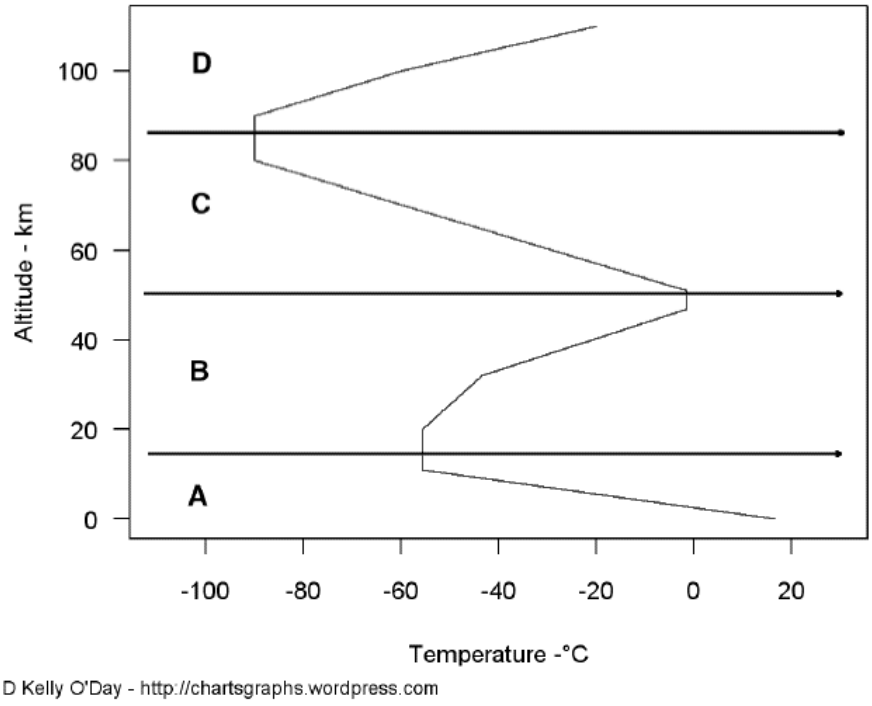
In the diagram what layer of the atmosphere is shown at A, B, C, and D.

A _____

B _____

C _____

D _____



What happens to the atmospheric pressure as you go up in altitude?

Match the layers of the atmosphere with their characteristics. Place the appropriate capital letter in the blanks provided. Each letter may be used more than once. Each blank may will have one or more letters in it.

A. Exosphere
B. Mesosphere
C. Stratosphere
D. Thermosphere
E. Troposphere

_____ Extends to space

_____ Many meteoroids burn up here

_____ Coldest part of atmosphere

_____ Warmed by heat reradiated by Earth's surface

_____ A layer of gas here protects life on Earth from harmful solar rays

_____ Temperature decreases as altitude increases

_____ Most weather occurs here

_____ UV rays interact with ozone to heat this layer

_____ Low Earth orbit satellites are found here

_____ Least explored region of the atmosphere

List the four (4) most common gases in the atmosphere in order from most abundant to rarest.

Extra credit: Give the percentages of each of the gases you listed to within 10% of their actual value (in other words, if the value is 40%, you will receive full credit for a value from 36–44%).