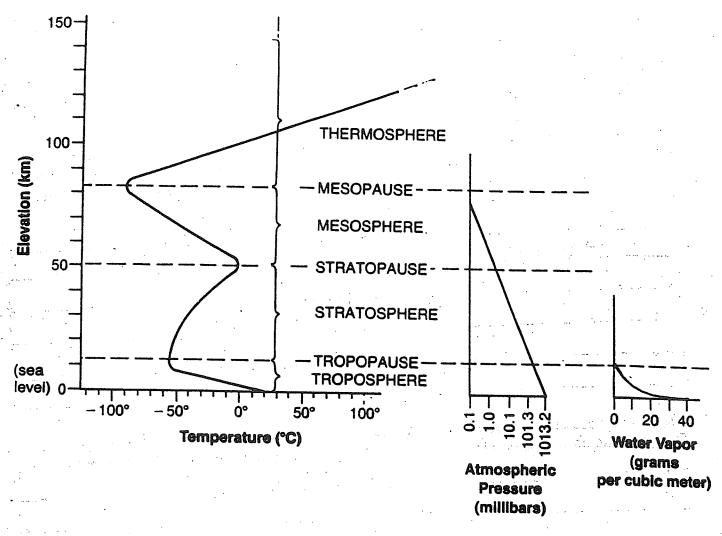
Name	Class	Date
Chapter 12		Using Science Skills: Interpreting diagrams

Atmosphere and Elevation

The diagram below illustrates the manner in which the temperature, atmospheric pressure, and water vapor content vary with changes in elevation.



Base your answers to the following questions on the information contained in the three graphic relationships in the diagram.

- 1. Using the words "increases, decreases, or remains the same," complete the following statements.
 - a. As elevation in the troposphere increases, atmospheric temperature
 - b. As elevation in the stratosphere increases, atmospheric temperature
 - c. As elevation in the mesosphere increases, atmospheric temperature

e. As elevation shows !	increases, atmospheric temperature
f. As elevation above sea level increa	ases, atmospheric pressure
	uses, atmospheric pressure
Which layer of the atmosphere do you	live in?
Explain why clouds are generally obse	erved to form only in the
	to form only in the troposphere.
What is the atmospheric pressure at se	
At approximately what height in the	ea level?
1.0 millibars?	tmosphere would the atmospheric pressure b
table by determining the thickness of e appropriate spaces. (Note: There is insu or one of the layers; leave the appropri	n the table below, then correctly complete the ach layer and entering the information in the afficient information to determine the thickness at espace blank.)
Layers of Atmosphere	Thister
Layers of Atmosphere	Thickness (km)
ne four layers of the atmosph	parated by thinner layers called "pauses." attern of atmospheric temperature at the
he four layers of the atmosphere are se escribe the change that occurs in the p	parated by thinner layers called "pauses." attern of atmospheric temperature at the
he four layers of the atmosphere are se escribe the change that occurs in the pauses."	parated by thinner layers called "pauses." attern of atmospheric temperature at the sthe coldest temperature occur in the
he four layers of the atmosphere are se escribe the change that occurs in the p	parated by thinner layers called "pauses." attern of atmospheric temperature at the sthe coldest temperature occur in the eatmosphere?