DIRECTED READING WORKSHEETS 1-1

Name	Date	Section
Chapter Introduction		
Section 1: Characteristics	of the Atmosphere (p. 4)	
1. Why is the atmosphere important to us? ((Circle all that apply.)	
a. It contains the oxygen we brea	the.	
b. It keeps the clouds close to the	Earth.	
c. It protects us from the sun's ha	rmful rays.	
d. It holds us onto the Earth's sur	face.	
Composition of the Atmosphere (p. 4)		
Mark each of the following statements True	e or False.	
2The atmosphere contains some so	olids. True or False? (Circle one.)	
3Oxygen is the most abundant gas	in Earth's atmosphere. True or Fal	se? (Circle one.)
4Water in the liquid and gas form	are in Earth's atmosphere. True or	False? (Circle one.)
Atmospheric Pressure and Temperature	(p. 5)	
5. Why do your ears pop when you ride up	or down in an elevator in a tall buil	ding?
6. Gravity holds the atmosphere around the	Earth. True or False? (Circle one.	<u> </u>
7. Air pressure as you n	nove away from Earth's surface. (in	ncreases or decreases)
8. Differences in temperature between layer	rs of the atmosphere are mainly due	e to the way energy is
absorbed by gases as it moves downward th	rough the atmosphere. True or Fal	se? (Circle one.)
Layers of the Atmosphere (p. 6)		
9. In which of the following atmospheric la	yers does temperature decrease as a	altitude increases? (Circle all
that apply.)		
a. troposphere c. mesos	phere	
b. stratosphere d. therme	osphere	
10. The pressure of the Earth's atmosphere	becomesas	you move away from the
Earth's surface. (greater or lesser)		
11. Most of the mass of the Earth's atmosph	nere is in the(troposphere or thermosphere)
12. You live in the troposphere. True or Fal	se? (Circle one.)	
13. Take a look at Figure 5 at the bottom of	page 7. Ozone is made up of oxyg	en atoms. How is ozone
different from the oxygen you breathe?		
14. The ozone in the atmosphere absorbs	(ultravio	let radiation or gamma rays)
2 The egone in the atmosphere absorbs	. (uttavioi	certained of gamma rays)