Worksheet:	Episode	901	Review

Name____

1.	The theory that explains the behavior of gases at the molecular level is called the which is based on assumptions				
	about a theoretical gas often referred to as an				
2.	Gases deviate most from ideal gas behavior under conditions of very low and very high				
	The molecules of an ideal gas display no or				
	for one another.				
	Under ordinary conditions, an ideal gas consists chiefly of				
	space, which explains why gases are so easily compressed.				
	Ideal gas particles travel in lines until they collide with each				
	other or with the walls of their container.				
	The collisions between the molecules of an ideal gas are completely				
	The average kinetic energy of the molecules of an ideal gas is				
	proportional to the temperature of the gas.				
3.	A gas exerts pressure on the walls of its container because gas molecules with the walls of the container. So, the pressure exerted by a				
	gas depends on two factors:				
	a)				
	b)				
4.	To measure gas pressure an instrument called a is used.				
5.	The earth's atmosphere has weight, which creates				
6.	The instrument used to measure atmospheric pressure is the				

7.	Standard Temperature and Pressure (or) is:	
	K	kPa	atr	n	
	°C	mm Hg	tor	'n	
8.	At 1 atm, the height of the _	in a bard	ometer is 760 mm.		
9.	A block of wood with a weight pressure is the block of wood beneath it if the block is 3 cr	l exerting on the surfac	•		
10	. Use the kinetic theory to exp taken from a warm room to tl	•		en it is	
11.	Use the kinetic theory to exp	olain why bubble wrap po	ops when it is squeez	ed.	
12.	. Use the kinetic theory to exp added to a tire.	olain why tire pressure i	ncreases when more	air is	