Gases and temperature Homework Due November 14		NameSection			
1.	What happens to the average speed increases? Why?	of gas molecules as the temperature			
2.	When gas molecules collide (for exathey stick together?	mple molecules of O_2 or N_2 in the air), why don't			
3.		different types of molecules, one relatively light rular temperature, how do their average			

4. Imagine a system composed of two different types of molecules, one relatively light and one relatively heavy. At a particular temperature, how do their **average kinetic energies** compare? Why?

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5.	You place a thermometer into a solution - why does it take time for the reading on the		
	thermometer to correspond to the temperature of the solution?		

6. Why don't all the gas particles move with the same speed at a given temperature?

7. If gas molecules are moving so fast (around 500 m/s), why do most smells travel at significantly less than that? (if I open a container of smelly stuff at the front of the CH 101 auditorium it takes a few seconds to smell it – why?)