1	Illustrate the difference in heating a mass of water to boiling compared to	What Makes Water Special	
1.	a different substance with a lower heat of vaporization.	1.	Water has a high heat of vaporization and
			• is the amount of heat that must be
2.	Illustrate the change in density of a mass of water as it freezes.		absorbed for a quantity of water to vaporize at a constant temperature
			Therefore, it takes a great amount of for water to make
			this phase change, relative to other substances.
		2.	The density of water as it solidifies
			We know that solids are supposed to be dense than
			liquids, but unlike most other substances on earth, water actually
3.	What is the specific heat of water? How much energy would be required to increase the temperature of 2 g of water by 1 °C?		as it freezes (meaning that while mass stays the
			same, the volume).
			Therefore, the density of water actually as it freezes.
		3.	Water has a very high
			Specific Heat - The amount of required to increase
			the temperature of of a substance by
4 .	Ethanol has a higher vapor pressure than water. In a solution of water and ethanol, compare the partial pressures of the vapors of the two substances. Which is higher and why?	4.	Water has surface tension
			Surface tension is the force at the surface of a liquid
			that serves to reduce surface area. Because water has unusually high
			surface tension, this force is even stronger than it is in other substances
		5.	Water has a very vapor pressure
			The pressure exerted by a (gas) that is in contact
			with its liquid (or solid) form and is between
			the two phases is referred to as the
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