Lecture 15 CH101 A1 (MWF 5           [TP] Which of           20%         1.           20%         2.           1         20%           20%         3.           20%         4.           20%         5.           T         at	2003 am J Fall 2018 Copyright © 2018 Dam Dill dam@bu.edu  f the following is correct about water?  the low enthalpy of vaporization results in a low vapor pressure t room temperature the high enthalpy of vaporization results in a high vapor pressure t room temperature the high enthalpy of vaporization results in a high vapor pressure t room temperature the high enthalpy of vaporization results in a high vapor pressure t room temperature the high enthalpy of vaporization results in a high vapor pressure t room temperature the high enthalpy of vaporization results in a high vapor pressure t room temperature the high enthalpy of vaporization results in a high vapor pressure t noom temperature the high enthalpy of vaporization results in a high vapor pressure t noom temperature	Lecture 15 CH101 A1 (MWF 9:05 am) Wednesday, October 10, 2018 For today • Postscript: Vapor pressure and boiling • Intermolecular forces • Hydrogen bonding Next lecture: Polarity; dipole-dipole vs. temporary dipole (dispersion); Putting it all together: Relative boiling points; Practice: Intermolecular forces; Dissolving ionic solids; solubility rules Memorize: solubility guidelines fig 6.28, p 181
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Lecture 15 Cl	Lecture 15 CH101 A1 (MWF 9:05 am) Fall 2018 Copyright ©						
[ <mark>TP</mark> ] V	[TP] Which of the following is correct about water?						
20%	1.	The low enthalpy of vaporization results in a low vapor pressure at room temperature					
20%	2.	The high enthalpy of vaporization results in a low vapor pressure at room temperature					
20%	3.	The low enthalpy of vaporization results in a high vapor pressure at room temperature					
20%	4.	The high enthalpy of vaporization results in a high vapor pressure at room temperature					
20%	5.	There is no simple relationship between vapor pressure and enthalpy of vaporization					
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[Quiz] Which of the following cannot form hydrogen bonds with themselves?							
0%	1.	Ammonia, NH <sub>3</sub>					
0%	2.	Methanol, CH <sub>3</sub> OH					
0%	3.	Ethanol, CH <sub>3</sub> CH <sub>2</sub> OH					
0%	4.	Dimethyl ether, CH <sub>3</sub> OCH <sub>3</sub>					
0%	5.	1 and 3					
0%	6.	1 and 4					
0%	7.	2 and 4					
0%	8.	All of the above can form hydrogen bonds with	themselves				
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