Name	:		Period: Date:			
Pro	pp	erties of V	Vater Assignment – Student Edition			
l .	MULTIPLE CHOICE. Select the best answer.					
	1.	All of the following	are considered to be properties of water except			
		a)	It shows no reaction on both red and blue litmus paper.			
		b)	It has a low surface tension.			
		c)	It increases in volume on heating.			
		d)	It is a polar compound.			
	2.	There are	bonds between the water molecules			
		a)	hydrogen			
		b)	covalent			
		c)	ionic			
		d)	metallic			
	3.	A liquid boils at 10 pure water?	00°C, which of the following is another property which will confirm the liquid is			
		a)	Sugar dissolves in it.			
		b)	When it freezes, its density decreases.			
		c)	Neutral on both litmus paper.			
		d)	It evaporates on heating.			
	4.	When the tempera	ature of water drops below 4°C,			
		a)	it expands.			
		b)	it shrinks.			
		c)	it doesn't change.			
		d)	its density increases.			
	5.	The molecular sha	ape of a water molecule is called			
		a)	pyramidal			
		b)	A-shaped			



c) triangle

d) bent

Name:		Period: Date:				
Prop	er	ties of Water Assignment – Student Edition				
II.	Explain the following.					
	1.	The presence of hydrogen bonds between water molecules.				
	_					
	2.	Pure water doesn't affect litmus paper.				
	3. Although sugar is a covalent compound, it dissolves in water.					
	4.	Water has high melting and boiling point.				



Name:	Period: Date:				
Prop	erties of Water Assignment – Student Edition				
III.	Two equal masses of pure water, one of them is at 20°C and the other is at 2°C. Which of				
	them has the larger volume? Why?				
IV.	Explain why water is essential to life.				
V.	Water is made up of two hydrogen atoms bonded to an oxygen atom.				
	Name the type of bonds which exist between the atoms in a water molecule.				
	O. Dogovila subusthia hand forms				
	2. Describe why this bond forms				
	Explain the arrangement of electrons which form this bond.				
VI.	Explain why water is called the universal solvent.				