Name

 Class

Study GuideCHAPTER 6Section 3: Water and Solutions								
In your textboo Label the diagram	n. Use these	choices:		:	- 4	aliahthran	aiting and	
covalent bor	1d	hydrogen bond	\$I	ightly negative e	end	slightly po	sitive end	
1						2.		
				1 4.~	H H H	H H O H	н	
					0		ы	
In your textboo			n water.		п	/		
For each stateme	nt below, wr	<i>ite</i> true <i>or</i> false.				3.		
5. A mixture is a combination of two or more substances in which each substance retains its individual characteristics.								
	6. A suspension is a mixture that has a uniform composition throughout.							
	7. In a mixture, the solvent is the substance that is dissolved.							
		8. A mixture of	f sand and v	vater is a heterog	eneous miz	cture.		
	9. A suspension is a homogeneous mixture in which water is mixed with a substance that does not dissolve in it.							
In your textboo	k, read abou	t acids and base	es.					
Use each of the te				age.				
acids	bases	biology	buffers	hydrogen	ions	neutral	pН	
Substances that	release hydro	ogen ions when	dissolved in	water are called				
(10)		Th	The more (11)				bstance	
				ces that release hy				
				. Acids and base				
					•		led	
			The concentration of hydrogen ions in a solution is Pure water is (15)					
				weak acids or w			-	
		(1 TT '(1'			can Dases ll	iui call icacl	with strong	

acids or strong bases to keep the pH within a particular range.