## AP Biology - Acids, Bases, & pH Video Review Sheet

http://www.bozemanscience.com/acids-bases-ph/

1. Why is it	important that pH levels remain constan	t for proteins?	
	d its Polarity: water molecule contains two	atoms & one	atom
b. T	here is a	between the hydrogen and	I the oxygen.
c. O	exygen is going to pull the	towards it.	
d. O	oxygen is going to have a partial	and t	the hydrogens are
goin	ng to have a	·	
e. H	low is a hydrogen bond formed?		
3. When the	e attraction between water molecules is	so great, what happens to t	he hydrogen atom?
4. The wate	er molecule with the extra hydrogen atom	ı is called	
5. The wate	er molecule with the missing hydrogen at	om is called	
6. What doe	es pH stand for?		
7. In distilled	d water, the amount of hydronium occurr	ing is	
8. What doe	es it mean if the pH is 7?		
9. Acids: a. W	When hydrochloric acid is added to water	, it's going to break down in	to hydrogen ions and
chlo	oride ions, increasing the amount of	·	
b. In	nstead of the concentration being 1 in 10	,000,000, it might be as ofte	en as 1 in
cl	og [1x10^-2] equals a pH of		
10. Bases: a. W	What happens with the hydroxide and hyd	drogen ion?	
b. W	What does this do to the amount of hydro	gen ions?	
Cl	og [1x10^-12] equals a pH of		

11. Increasing the amount of	hydrogen ions in a solution the pH	
12. Acidification: a. How have oceans I	become more acidic over the years?	
b. By decreasing a the hydrogen ions.	amount in the pH, there is going to be an	in
С	seems to be correlated with the acidification of or	ur oceans