Introduction to Acids & Bases: A WebQuest

1. http://www.visionlearning.com/library/module_viewer.php?c3=&mid=58&l= The word acid comes from the Latin word meaning Boyle stated that acids taste ______, are corrosive to _____, change the color of litmus to _____, and become less acidic when mixed with ______. He described bases as feeling ______, changing litmus to the color _____, and becoming less basic when mixed with an _____ About 200 years later, Arrhenius proposed that water can dissolve many compounds by separating them into their individual _____. He suggested that acids contain _____ and can dissolve in water to release _____ Bases dissolve in water to release _______ ions into the solution. 2. http://www.chem4kids.com/files/react_acidbase.html Every liquid has _____ & ___ traits. ____ can be both an acid and a base, depending on how you look at it. It can be considered an acid in some reactions and a base in others. Water can even react with itself to form acids and bases. Most of the time, the positive and negative _____ in distilled water are in equal amounts and cancel each other out. Most water you drink from the has other ions in it. Those special ions in solution make something acidic or basic. In your body there are small compounds called ______ The name tells you those are acids. In fruits there is something called A chemist named _____ came up with a way to define acids and bases in 1887. He saw that when you put molecules into water, sometimes they break down and release an ______. At other times, you find the When a hydrogen ion is released, the solution release of an becomes _____. When a hydroxide ion is released, the solution becomes 3. http://chemistry.about.com/od/acidsbases/a/acidbaseformula.htm Give the formula for the following acids: Hydrofluoric Acid-Hydrochloric Acid-Hydrosulfuric Acid-Nitric Acid-Sulfuric Acid-Acetic Acid-

	Boric Acid-
	Give the formula for the following bases: Sodium Hydroxide-
	Potassium Hydroxide-
	Calcium Hydroxide-
	Iron (II) Hydroxide-
	4. http://chemistry.about.com/od/acidsbases/a/acidsbasesterms.htm
	Scroll down to Properties of Acids.
	Complete the following sentences for Acids
	Solutions are (conduct electricity).
	React with bases to form+ Neutralization
	Create gas when reacting with an active metal.
	Five (5) Common acids (scroll down):
	Tive (3) Common acids (seron down).
Pr	roperties of Bases
	Tastes
	Feels
	Don't change the color of
	Solutions are (conduct electricity).
	React with acids to form +
	Neutralization
	Four (4) Common Bases:
	5. http://chemistry.about.com/od/acidsbases/a/phtable.htm and
htt	tp://www.visionlearning.com/library/module_viewer.php?c3=∣=58&l
Sc	eroll down on the site above until you get to the pH scale
тт.	sing the sites above an arranged a most in a believe
US	sing the sites above, answer the questions below: A. pH range of acids
	A. pH range of acids B. pH of a neutral substance
	C. pH of a basic (alkaline) substance
	c. pri oi a basic (arkanne) substance
Us	se information from the sites above and list the following substances according to pH.
	ne lowest pH should be listed first and the highest base listed last. HCl and NaOH are
	ven as examples.
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Su	ibstances: Correct Acid-Base pH list

Pure water	1 HCl				
Apples					
Ammonia					
Lime (Calcium Hydroxide) Milk HCl Vinegar Baking Soda NaOH Human Blood Lemon juice					
				Battery Acid	
				Milk of Magnesia	
				Rain water	
				Egg whites	
				Drano	14 NaOH
				6. http://chemistry.about.com/lib	rary/weekly/blacidquiz.htm
				Take the quiz.	
Place score here					
	_				
7. http://chemistry.about.com/lib	rary/weekly/bl060603a.htm				
Take the quiz.					
Place score here					
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