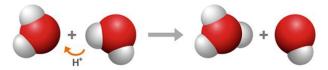
Acids, Bases, & Salts Notes

Sometimes mol	, and release either	
an	ion or an	ion.

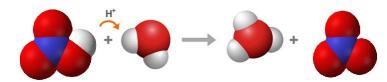


When a hydrogen ion is released, the solution becomes _____.

When a hydroxide ion is released, the solution becomes _____.

Example: vinegar (CH $_3$ COOH) molecules placed in water will split into CH $_3$ COO $^-$ and H $^+$. That hydrogen ion is the reason it is an

Example: $HNO_3 + H_2O$ à $H_3O^+ + NO_3$



Acids & Bases in Solution

•
$$HCI + H_2O \rightarrow H_3O^+ + CI^-$$

•
$$NH_3 + H_2O \rightarrow NH_4^+ + OH^-$$

Scientists use something called the **pH** scale to measure how _____a liquid is. pH measures concentrations of

	and			on a scale from	
	to Distilled water is		(right	(right in the middle). Acids	
are f	are found between Bases a		ses are fron	are from	
0		7		14	
	Substance	рН		Acid or Base	
	Lemons				
	Blood				
Lau	ndry Detergent				
	Soda				
	Bleach				
	Bread				
	Urine				
Prop	erties of Acids				
		_			
•	pH tha	an /			
•	Tastes				
Forms ions in solution					
	Forms	ions in solut	ion		
•		_		m	
•	Forms Corrosive - react	_		m	
•		s with	to for		
• • Prop	Corrosive - react	s with	to for		
• Prop	Corrosive - react	s with	to for		
• Prop	Corrosive - react Good erties of Bases pH	s with han 7	to for		
Prop	Corrosive - react Good perties of Bases	s with han 7	to for		
Prop	Corrosive - react Good erties of Bases pH	s with han 7	to for		
Prop	Good	s with chan 7 ior	to for	n	

Common Acids & Bases

	Acid	ls
HCI	hydrochloric	stomach acid
H ₂ SO ₄		
HNO ₃		
HC ₂ H ₃ O ₂		
H ₂ CO ₃		
H ₃ PO ₄		
	Base	es
NaOH		
Mg (OH) ₂		
Al(OH)₃		
NH ₄ OH		

What is a Salt?

•	A salt is a	substance produced from the r	eaction
	of an		

•	Composed of the	ion of an acid and the
		_ ion of a base.

- Examples:

Neutralization Reactions

- A neutralization reaction is the reaction of an acid with a base to produce salt and water.
- Example: