



My Notes

What are acids and bases?

ACIDS	BASES
<ul style="list-style-type: none">• Tastes sour• Burns if you touch it• Makes blue litmus turn red• Reacts with metals to make hydrogen gas	<ul style="list-style-type: none">• Tastes bitter• Feels slippery• Makes red litmus turn blue
<p><i>Examples</i></p> <ul style="list-style-type: none">• Lemon• Stomach acid• Vinegar 	<p><i>Examples</i></p> <ul style="list-style-type: none">• soap• drain cleaner• milk 

How can indicators identify acids and bases?

- **Indicators** are substances that change color when they react with an acid or base.
 - **Hydrangea** plants are an indicator.

Acidic soil will produce **blue** flowers.

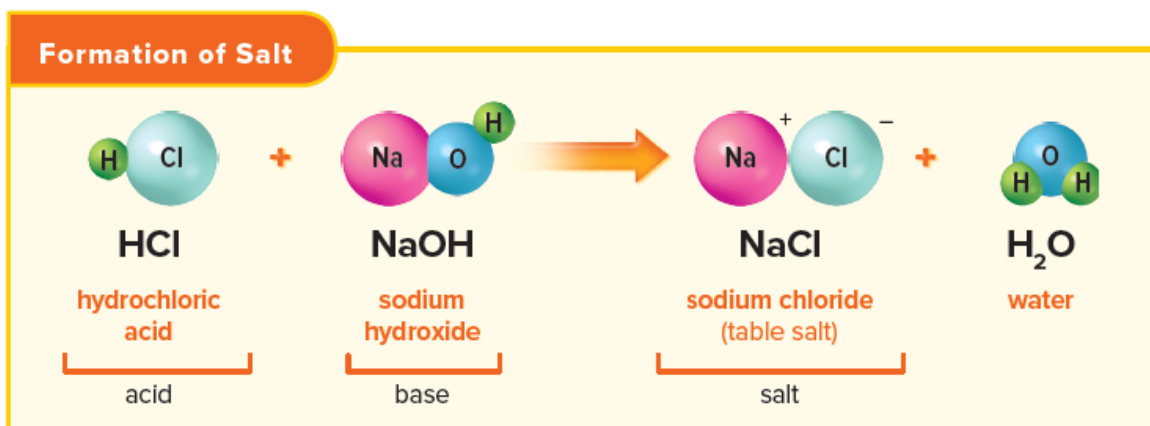


Alkaline soil will produce **pink** flowers.



The pH Scale	
The pH scale is how acidity and alkalinity are measured.	
Acidity is the strength of an acid.	Alkalinity is the strength of a base.
Low pH means strong acid and many hydronium ions	High pH means strong base and many hydroxide ions

What are salts?



- Mixing acids and bases is called a neutralization reaction and it makes a salt and water.
 - Salts
 - A salt is a compound made of positive and negative ions.
 - A salt is a crystal
 - Has a high melting point
 - Is hard and breaks easy
 - Some dissolve easily in water
 - If a substance forms ions in water it is an electrolyte
 - Acids, bases, and salts are electrolytes
 - Electrolytes in water conduct electricity.