

ESTEME STEM Squad
Acid-Base Mystery Solutions

Terms:

pH- a measure of how basic or acidic something is

indicator- a substance that changes color to indicate its pH

H⁺ hydronium, the molecule created by acids in water

OH⁻ hydroxide, the molecule created by bases in water

Neutralization- bringing a substance to a neutral pH of 7

Acid

Common traits: tasting sour, corrosive

When you put acids into water you build up H⁺ or hydronium

Common Acids: soft drinks, citrus, vinegar

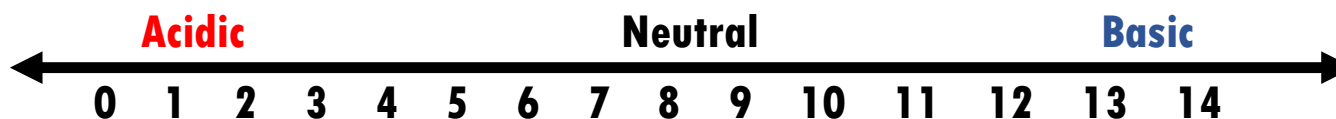
Base

Common traits: slippery, bitter-tasting

When you put bases into water you build up OH⁻ or hydroxide

Common Bases: bleach, soaps, toothpaste

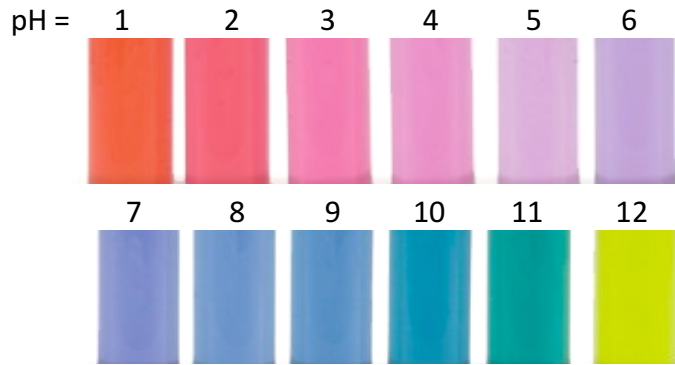
The pH Scale



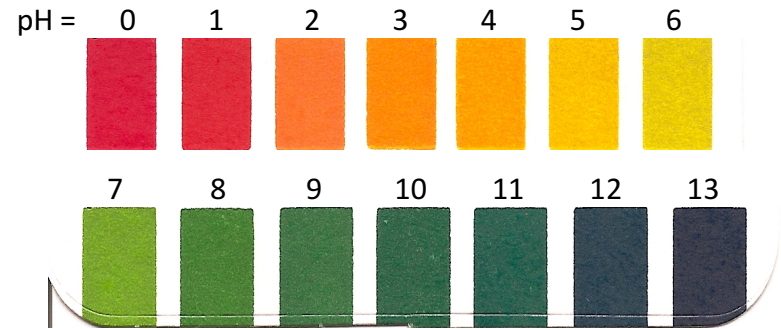
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Indicators

Universal Indicator



Litmus Paper



Possible Unknown Acids and Bases

