

pH Phactor



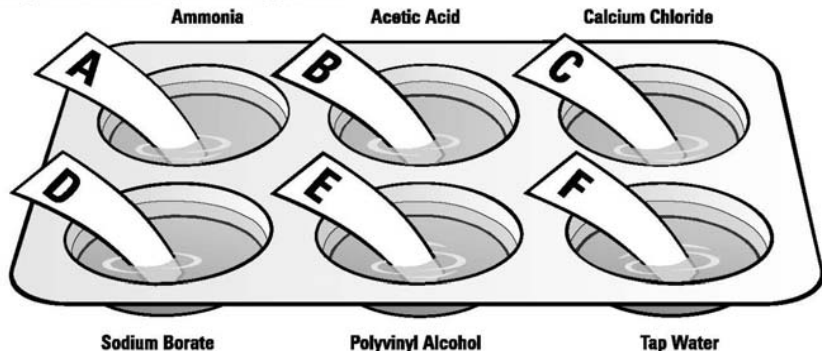
NAME _____

Test-a-Paper!

Dip into the pH scale!

Directions

How much hydrogen is in a solution? Dip a strip of pH paper into each well and determine its pH value using your pH chart. Record the pH values on the strips in the image below!

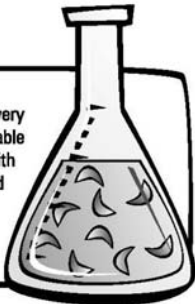


The Truth About Acids and Bases!

Did you know?

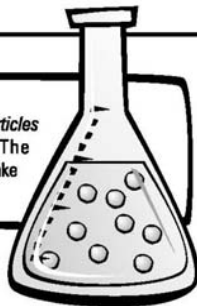
Bases

Basic solutions contain very few hydrogen ions. Available hydrogen ions connect with other particles called hydroxide ions. The hydroxide ions are what make bases feel slippery.



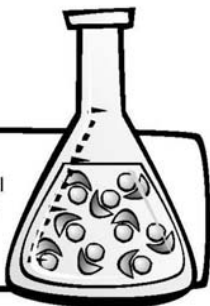
Acids

Acidic solutions contain particles called hydrogen ions. The hydrogen ions are what make acids corrosive.

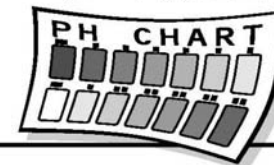


Neutrals

Neutral solutions (the safest pH) contain an equal amount of hydrogen and hydroxide ions which connect to one another. *Biodegradable*, neutral solutions are environmentally friendly.



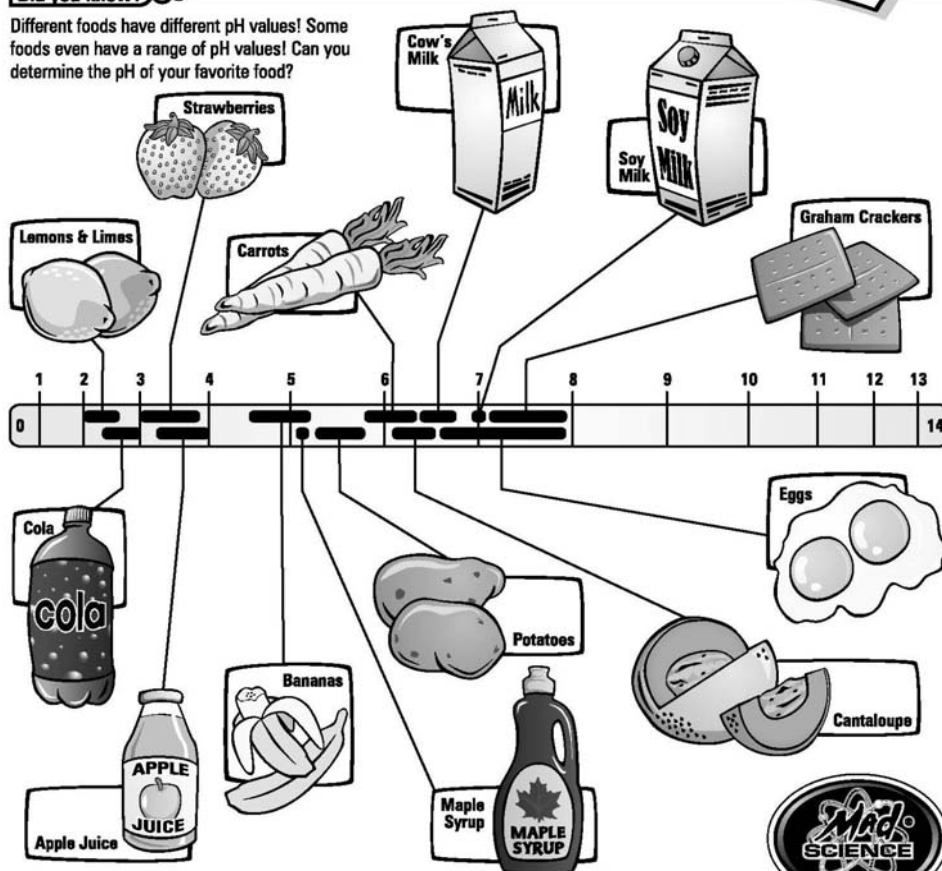
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Food for Thought!

Did you know?

Different foods have different pH values! Some foods even have a range of pH values! Can you determine the pH of your favorite food?



Did You Know?

Many food products contain natural acids such as citric, malic, and carbonic acids. Detergent chemical ingredients can include the word *hydroxide* such as sodium hydroxide, magnesium hydroxide, and ammonium hydroxide. This indicates they are bases.

Read the ingredients on products at home and the store. Find the labeled acids and bases!

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