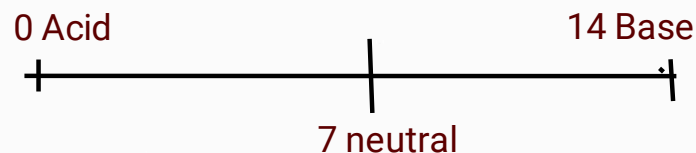


## ACIDS & BASES



Draw a pH scale with acidic, basic, and neutral properly labeled on it.



## ACIDS & BASES



A substance that produces  $H^+$  (hydronium) ions in water is a(n) Acids.

## ACIDS & BASES



A substance that produces  $OH^-$  (hydroxide) ions in water is a(n) Bases.

## ACIDS & BASES



What color will an acid turn blue litmus paper?

RED

## ACIDS & BASES



Is water ( $\text{H}_2\text{O}$ ) is an example of an acid, base, or neutral substance?

What is its pH?

Neutral

## ACIDS & BASES



What is the pH range for an acid?

0-6

## ACIDS & BASES



What is the pH range for a base?

8-14

## ACIDS & BASES



What color will a base turn red litmus paper?

BLUE



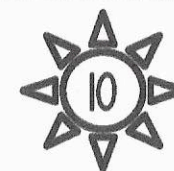
## ACIDS & BASES



How could you neutralize an acid? (*Hint - think about what Tums do in your stomach*).

Use a weak base

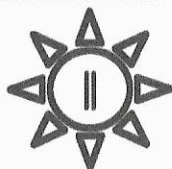
## ACIDS & BASES



Give three examples of

- 1) Lemons acids.
- 2) Vinegar
- 3) Battery Acid

## ACIDS & BASES



Give three examples of bases.

- 1) Baking Soda
- 2) Windex
- 3) Bleach

## ACIDS & BASES



What happens when ~~red~~ litmus paper is dipped into an acid?

It turns red

## ACIDS & BASES



What are two properties of an acid?

- 1) Tastes Sour
- 2) Dissolves Metal

## ACIDS & BASES



Give an example of an indicator that can be used to identify acids and bases.

Litmus Paper/ Hydrangea Flower

## ACIDS & BASES



The pH scale measures the concentration of \_\_\_\_\_ ions.

Hydrogen

## ACIDS & BASES

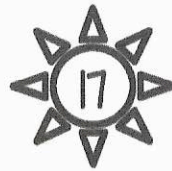


What happens when ~~blue~~ litmus paper is dipped into a base?

It turns blue



## ACIDS & BASES



What are two properties of a base?

- 1) Tastes Bitter
- 2) Dissolves Skin & Hair

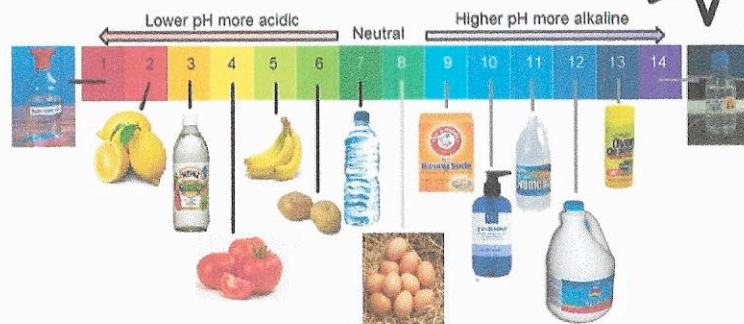
## ACIDS & BASES



What do a tomato and soda have in common?

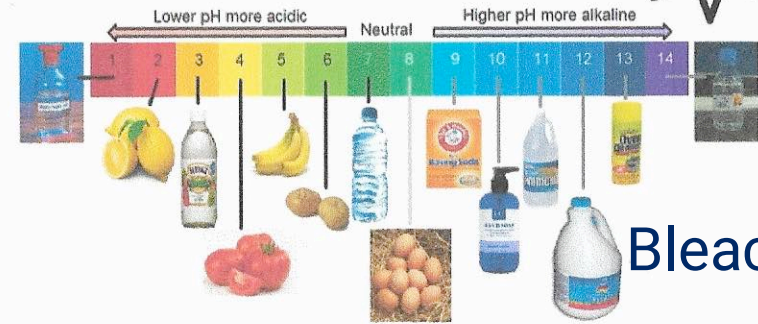
If you use a bit of each it will give you a neutral substance

## ACIDS & BASES



Which is more acidic, a banana or a lemon? **A Lemon**

## ACIDS & BASES



Which is more basic, bleach or baking soda?