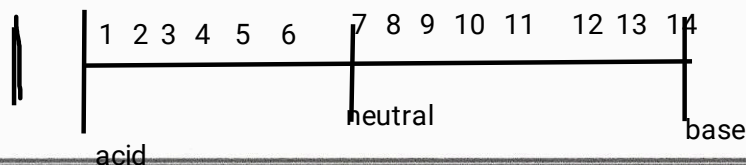


## ACIDS & BASES



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) acid.

## ACIDS & BASES



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

## 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?

water is neutral

to measure how basic or acidic it is

## ACIDS & BASES



What is the pH range for an acid?

0 to 6

0 to 6

## ACIDS & BASES



What is the pH range for a base?

8 to 14

## ACIDS & BASES



What color will a base turn red litmus paper?

blue



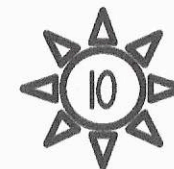
## ACIDS & BASES



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

use weak base

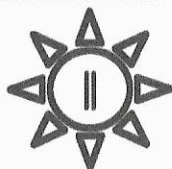
## ACIDS & BASES



Give three examples of acids.

lemon , vinegar ,  
tomato

## ACIDS & BASES



Give three examples of bases.

baking soda, bleach, cleaner

## ACIDS & BASES



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

turns red

## ACIDS & BASES



What are two properties of an acid?

## ACIDS & BASES



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

ph scale

## ACIDS & BASES



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

## ACIDS & BASES



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

turn red



## ACIDS & BASES



What are two properties  
of a base?

bleach ,backing soda

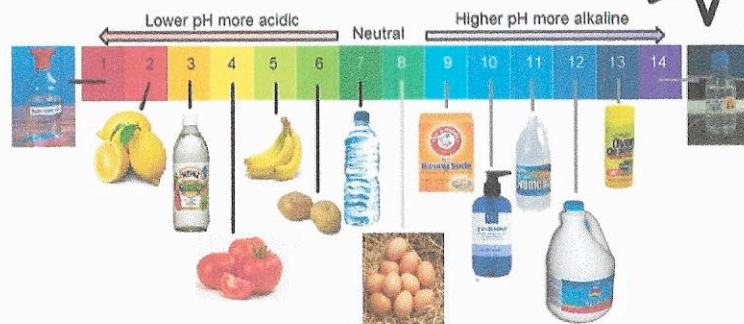
## ACIDS & BASES



What do a tomato and  
soda have in common?

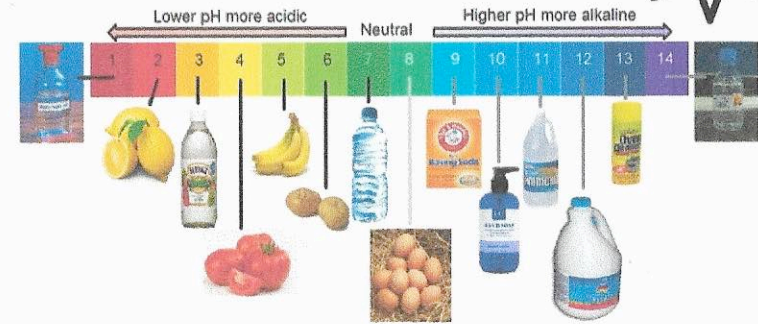
they both have acid

## ACIDS & BASES



Which is more acidic, a banana  
or a lemon?

## ACIDS & BASES



Which is more basic, bleach or baking  
soda?