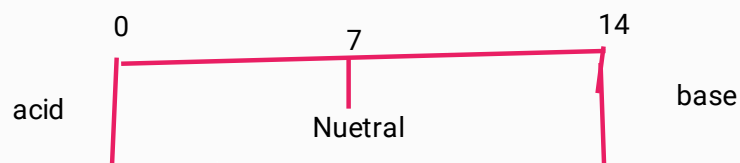


## ACIDS & BASES



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?

turns red

## ACIDS & BASES



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

What is its pH?

7

## ACIDS & BASES



What is the pH range for an acid?

0 threw 6

## ACIDS & BASES



What is the pH range for a base?

8 threw 14

## ACIDS & BASES



What color will a base turn red litmus paper?

blue



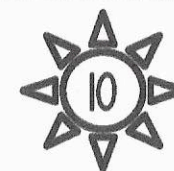
## ACIDS & BASES



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

something that is a base

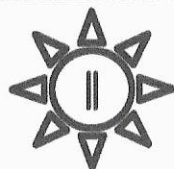
## ACIDS & BASES



Give three examples of acids.

Vinegar black coffee and lemon

## ACIDS & BASES



Give three examples of bases.

taste bitter feel slippery dissolve skin and hair

## 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?

taste sour dissolves metals

## ACIDS & BASES



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

Litmus paper

## ACIDS & BASES



The pH scale measures the  
concentration of Hydrogen ions.

## 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?

bleach egg

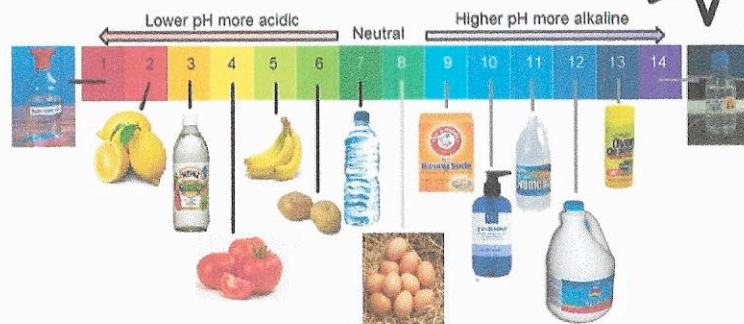
## ACIDS & BASES



What do a tomato and  
soda have in common?

there acidic

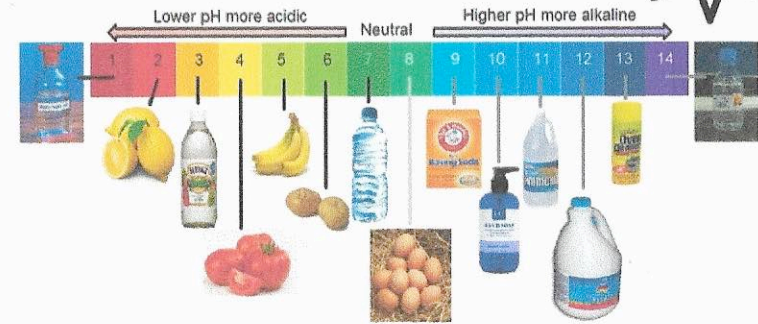
## ACIDS & BASES



Which is more acidic, a banana  
or a lemon?

lemon

## ACIDS & BASES



Which is more basic, bleach or baking  
soda?

bleach