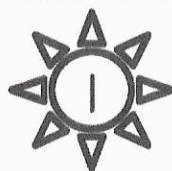
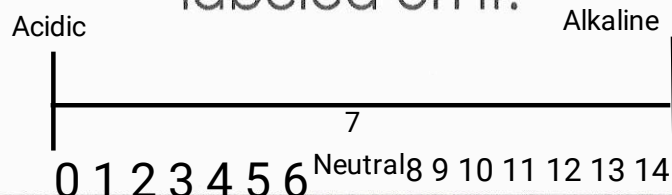




## ACIDS & BASES



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?

it is neutral and its level is 7

## 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



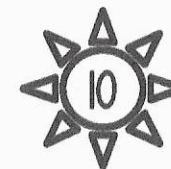
## ACIDS & BASES



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

stomach tablets.

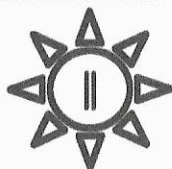
## ACIDS & BASES



Give three examples of acids.

battery acid, stomach acid and lemon.

## ACIDS & BASES



Give three examples of bases.

blood, baking soda and ammonia solution.

## 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 and dissolves metals.

## ACIDS & BASES



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

hydrogen ions.

## ACIDS & BASES



The pH scale measures the concentration of hydrogen ions.

## ACIDS & BASES



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

turns blue.



## ACIDS & BASES



What are two properties  
of a base?

taste bitter and feels slippery

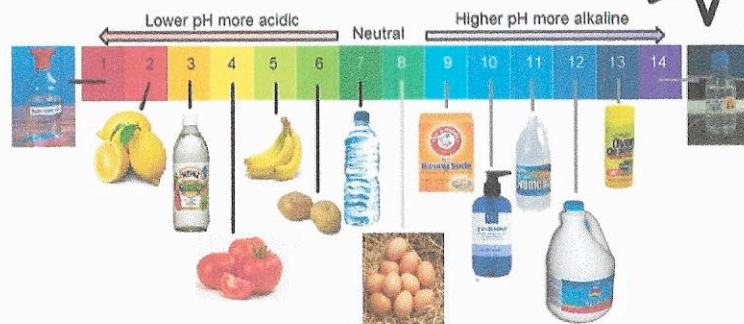
## ACIDS & BASES



What do a tomato and  
soda have in common?

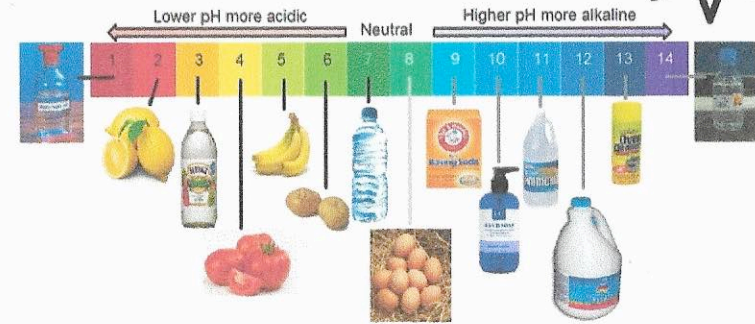
they are both acids.

## ACIDS & BASES



Which is more acidic, a banana  
or a lemon? lemon

## ACIDS & BASES



Which is more basic, bleach or baking  
soda? bleach