

## ACIDS & BASES



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

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

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

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What color will an acid turn litmus paper?

Red

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

What is its pH?

5

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What is the pH range for an acid?

0

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What is the pH range for a base?

14

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What color will a base turn red litmus paper?

blue



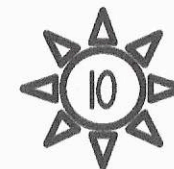
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How could you neutralize an acid? (*Hint - think about what Tums do in your stomach*).

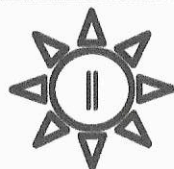
stomach acid

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Give three examples of acids.

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Give three examples of bases.

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

It turns red

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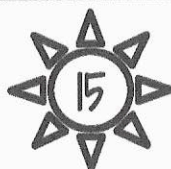
What are two properties of an acid?

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

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

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

It Turns blue



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What are two properties  
of a base?

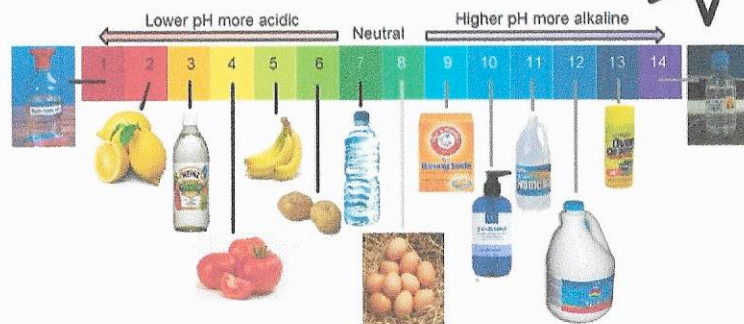
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What do a tomato and  
soda have in common?

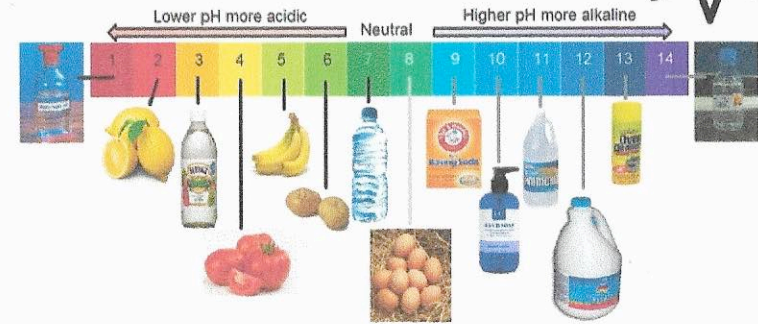
There both an acid

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Which is more acidic, a banana  
or a lemon?

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Which is more basic, bleach or baking  
soda?