

## 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) \_\_\_\_\_.

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

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What color will an acid turn ~~the~~ litmus paper?

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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?

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What is the pH range for an acid?

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What is the pH range for a base?

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What color will a base turn ~~red~~ litmus paper?

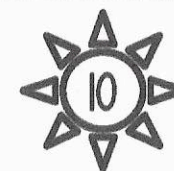


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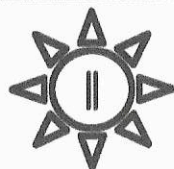
How could you neutralize an acid? (*Hint - think about what Tums do in your stomach*).

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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?

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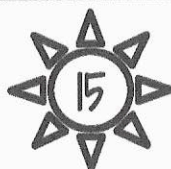
What are two properties of an acid?

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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.

Hydrogen

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



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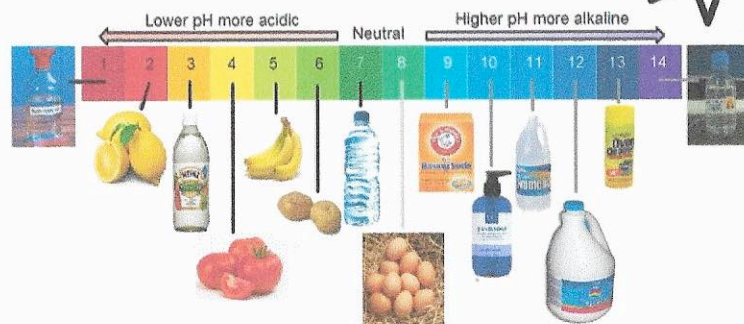
What are two properties  
of a base?

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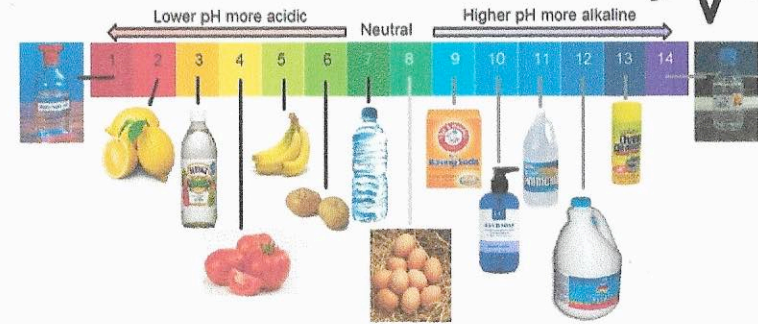
What do a tomato and  
soda have in common?

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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?