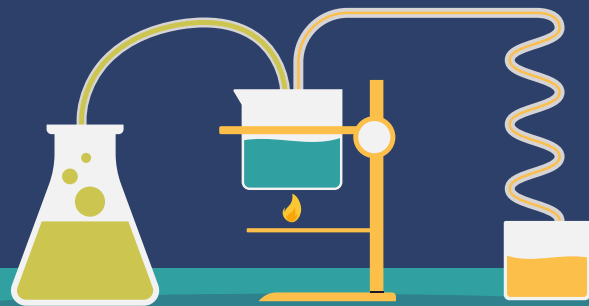




CHEMISTRY!

Nuestro Center
Ella Kaplan and Sarah Goldstein





ACID

+

BASE

- Tastes Sour
- BURNS
- React w/ metal
- pH < 7

- Conduct electricity

- Tastes bitter
- ITCHES
- pH > 7



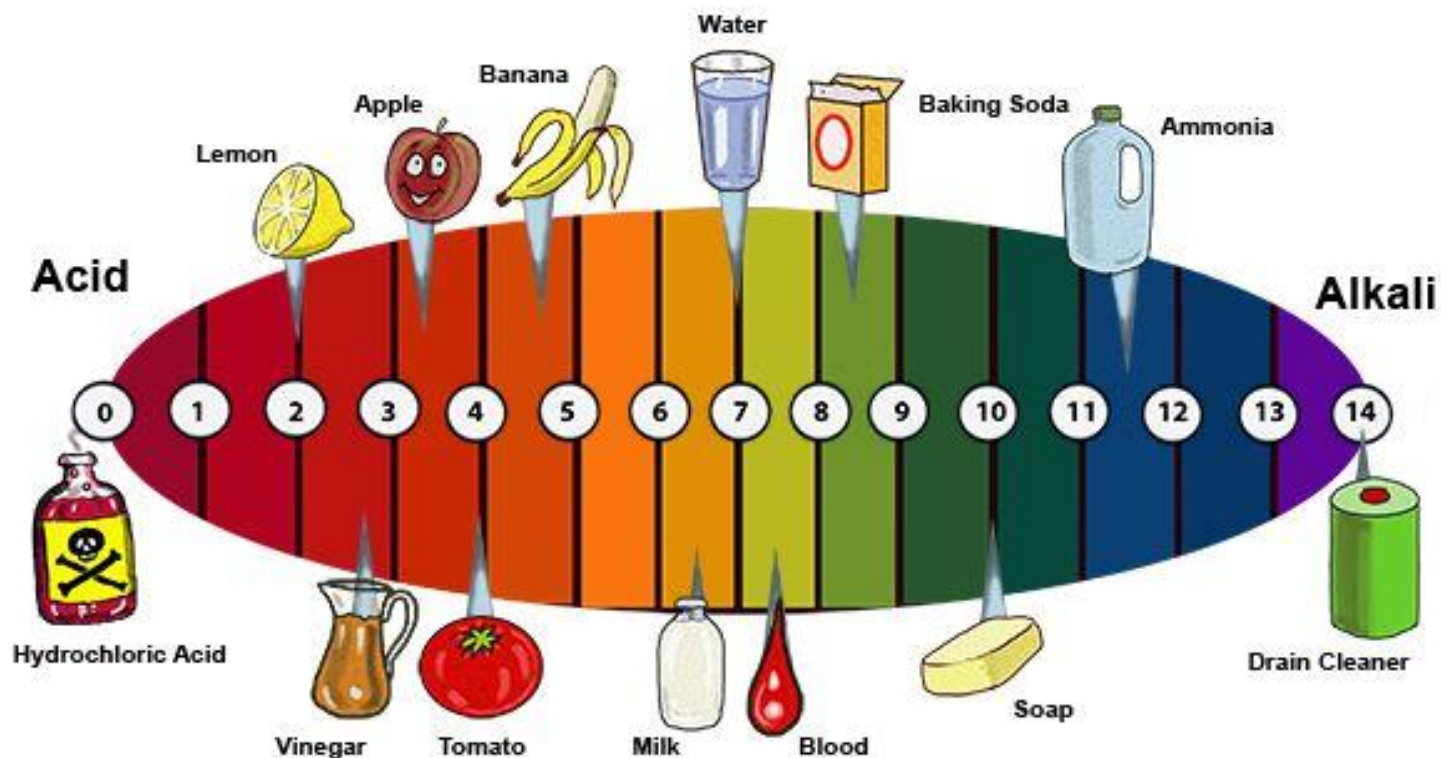
WHAT IS pH?

pH measures if liquid is ACID or BASE or NEUTRAL



The pH Scale

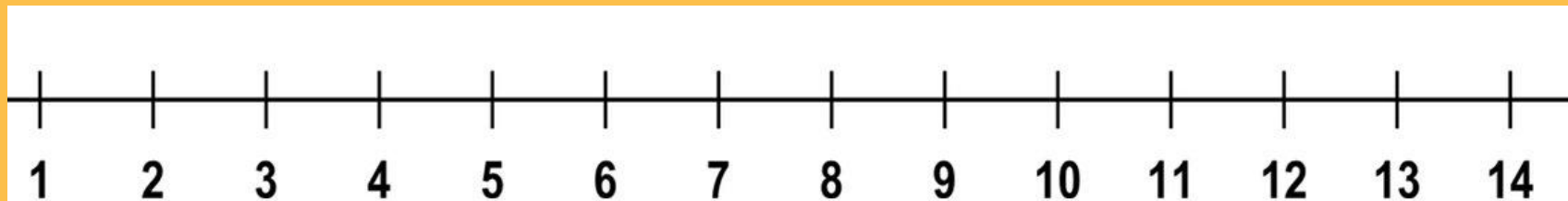
Neutral (pH 7)





WHY DO WE CARE ABOUT pH?

pH Scale



acid

base

neutral

Practice Problem 1

pH of 3

ACID or BASE?





Practice Problem 2



pH of 9

ACID or BASE?



Practice Problem 3



pH of 1

ACID or BASE?



Practice Problem 4



pH of 14

ACID or BASE?



Practice Problem 5



pH of 7

ACID or BASE?



Practice Problem 5



pH of 0.2

ACID or BASE?

Kahoot

<https://create.kahoot.it/share/properties-of-acids-and-bases/22b9cf9d-1171-4ed4-a95e-269df0f47e85>

Activity

1. Take out water bottle with vinegar and water in it.
2. Find funnel in bag.
3. Spoon the baking soda into the balloon with the funnel.
4. Put the balloon around the mouth of the bottle. Make sure it doesn't get in the bottle yet.
5. Lift the balloon so that the baking soda goes into the bottle.
6. The balloon should now fill up, because the acid and base reacted together.

Sources

<https://allfortheboys.com/science-fun/>

<https://www.preclaboratories.com/acid-base-reactions-inflate-balloon/>