

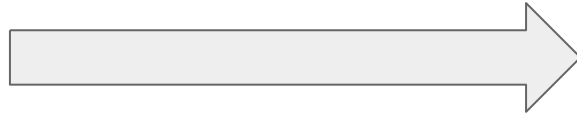
# THE CHEMISTRY OF BLEACH TO COVER UP A MURDER



***DISCLAIMER DO NOT USE THIS  
INFORMATION TO YOUR ADVANTAGE!***



# WHAT IS BLEACH?

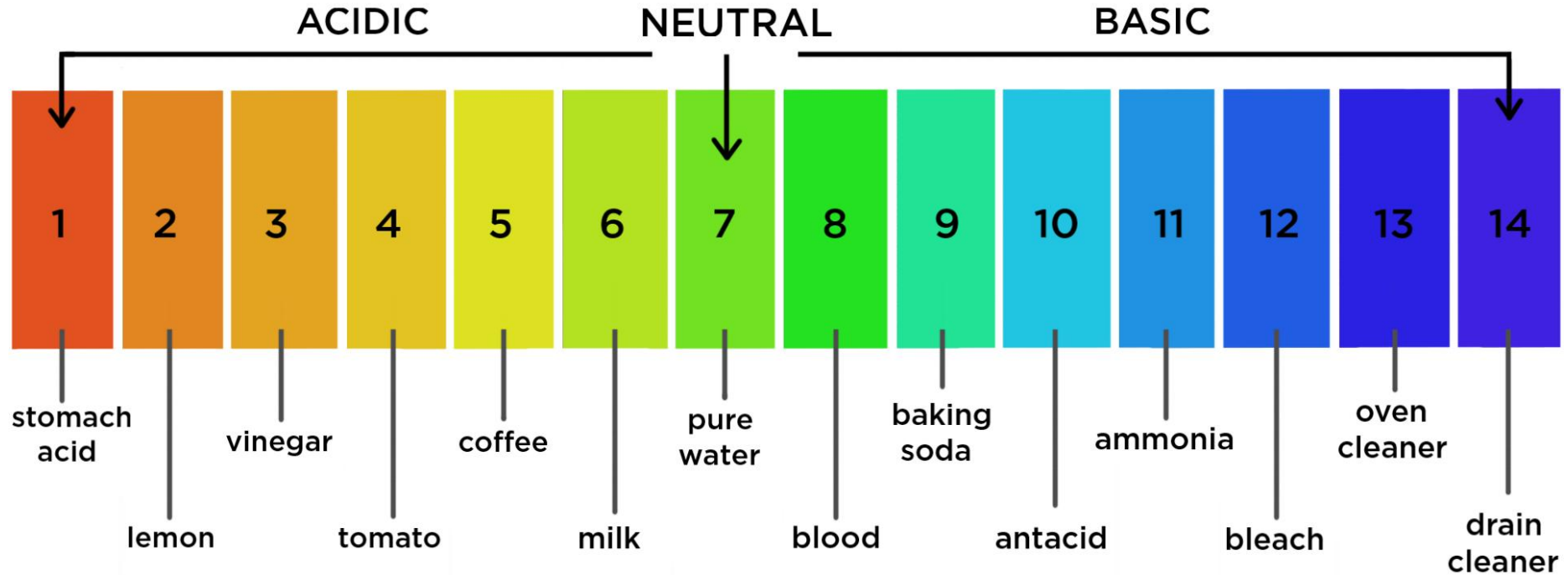


Bleach is a BASE! If we rewind back on the last unit we learned about Acids and Bases we can see that Bleach is a Base!

- Different types of bleach
- Chlorine bleach -  $\text{NaClO}$
- Oxygen bleach -  $\text{H}_2\text{O}_2$
- Powder bleach -  $\text{Ca}(\text{OCl})_2$



# The pH Scale





SICK!  
science.

POWER  
OF BLEACH

OF BLEACH  
BOMBS

# HOW DOES BLEACH WORK?

- Chlorine bleach works by breaking the chemical bonds of a chromophore.

\*If you think about the unit about  
Intramolecular forces it will help you  
understand why these molecules are connected  
and what's going to cause them to break\*





# HOW DOES BLEACH WORK TO COVER UP A MURDER?



# LAME MEME BREAK



"No stain = no murder"





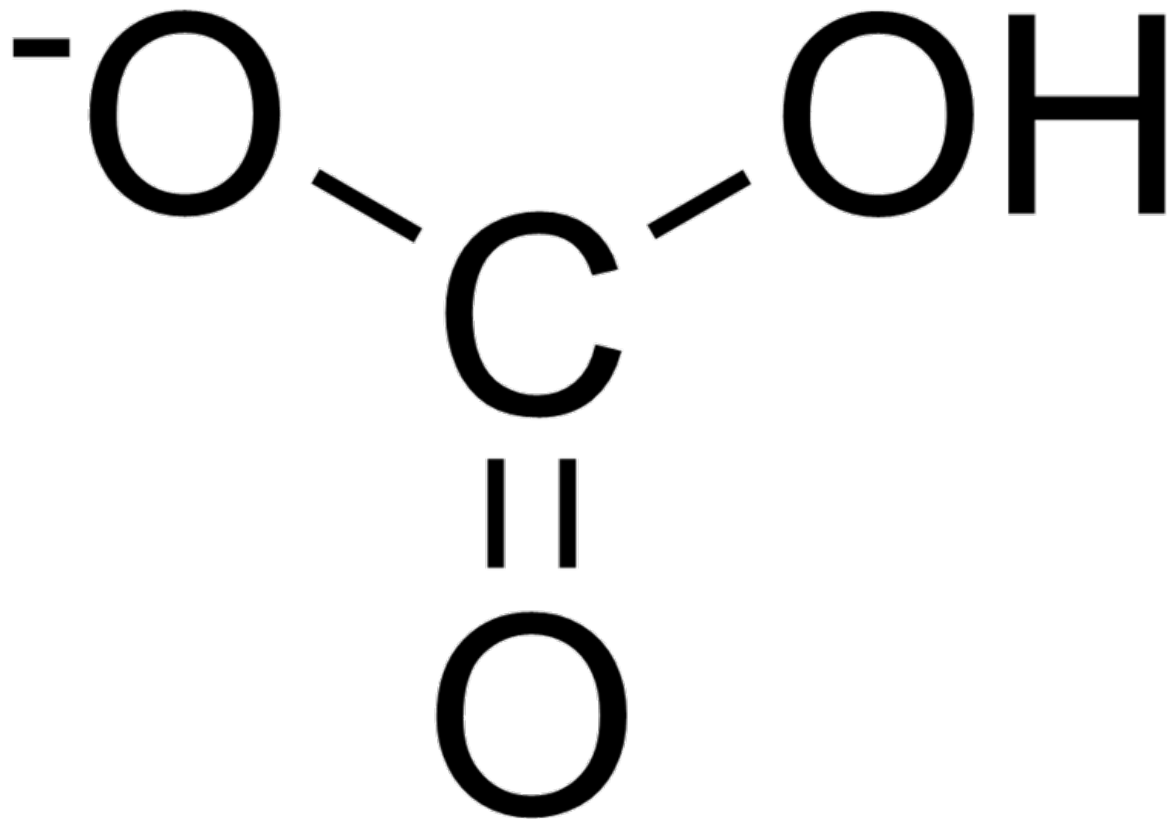
DOES



DNA?

# DOES BLEACH KILL THE DNA?

- The answer is **YES**
- Bleach includes sodium hypochlorite



# BLEACH IS DANGEROUS!

- Bleach is very dangerous and toxic towards humans and the environment!
- Make sure to wear face coverings and gloves when working with bleach!





# WORKS CITED

<https://www.facebook.com/thoughtcodotcom>. "What Is Bleach and How Does It Work?" *ThoughtCo*, 2018, [www.thoughtco.com/how-does-bleach-work-604290](https://www.thoughtco.com/how-does-bleach-work-604290).

"10 Ways to Cover up a Murder." *Top Criminal Justice Schools*, [www.top-criminal-justice-schools.net/murder/](http://www.top-criminal-justice-schools.net/murder/). Accessed 18 May 2022.

"How to Erase Evidence from a Crime Scene? – Leicestershirevillages.com." *Www.leicestershirevillages.com*, [www.leicestershirevillages.com/how-to-erase-evidence-from-a-crime-scene/](http://www.leicestershirevillages.com/how-to-erase-evidence-from-a-crime-scene/). Accessed 18 May 2022.

"The Dangers of Bleach and Why It's Toxic." *www.greenplanetscientific.com*, [www.greenplanetscientific.com/greenplanet-scientific-blog/the-dangers-of-bleach-and-why-it-is-toxic.aspx](http://www.greenplanetscientific.com/greenplanet-scientific-blog/the-dangers-of-bleach-and-why-it-is-toxic.aspx).