

Part 1 Macro: Add some chicken soup to the beaker. How can you change the pH of the solution?

Part 2 Micro: (Cotten Inegration ♥ Part Caver per 123 Part Caver per 123 Part Caver per 123 Part Caver per 123 Part Caver 124 Part Caver 125 Part Ca	Click noose th	pH Scale	then che	Ck → H ₃ O ⁺ / OH ⁻ ratio → Molecule count	Concentration patients 10 ² 10 ²		Chicken Soup (H 5.8)
Substance	рН	Describe the dots	Concentration $[H_3O^{\dagger}]$	Concentration [OH ⁻]	pOH (14 - pH)	 Classify A – Acid B – Base N Neutral 	[] Molecule count
Battery Acid	1.00	a. More red b. Equal red and blue c. More blue	1.0 x 10 ⁻¹	1.0 x 10 ⁻¹³	14 - 1 = 13	А	
Vomit		a. More red b. Equal red and blue c. More blue					
Soda		a. More red b. Equal red and blue c. More blue					
Coffee		a. More red b. Equal red and blue c. More blue					
Milk		a. More red b. Equal red and blue c. More blue					
Water		a. More red b. Equal red and blue c. More blue					
Spit		a. More red b. Equal red and blue c. More blue					
Blood		a. More red b. Equal red and blue c. More blue					
Soap		a. More red b. Equal red and blue c. More blue					
Drain Cleaner		a. More red b. Equal red and blue c. More blue					

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In part 3, what relationship is there between pH and $[H_3O^{\dagger}]$ (there is a cool numerical relationship!)?

Going further

Using the data in part 3, predict what goes in the boxes:



Using the data from part 2, what would you predict the pOH's to be for these entries in table 3?



Rate your understanding of pH



