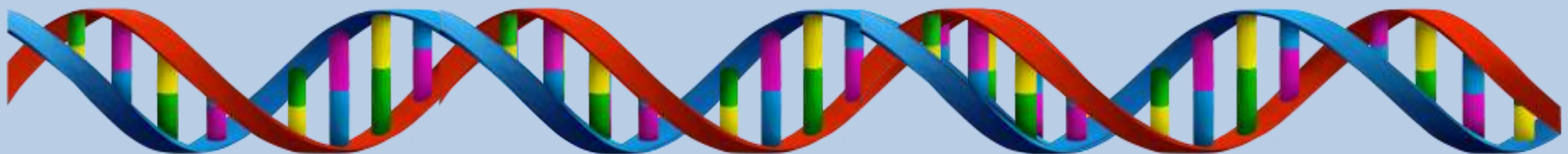


Magic of Water

- **If you bought goggles or are planning to buy them:**
 - **Bring up your receipt to get your goggles**
 - **Find a partner you trust**
 - **Sign up for a lab drawer**



- 1. Why is water polar?**
- 2. What allows capillary action to happen?**
- 3. What allows surface tension to happen?**
- 4. What qualities make water important for life?**



Magic of Water

How To Make A Solution

Solute



Solvent



Solution



Salt

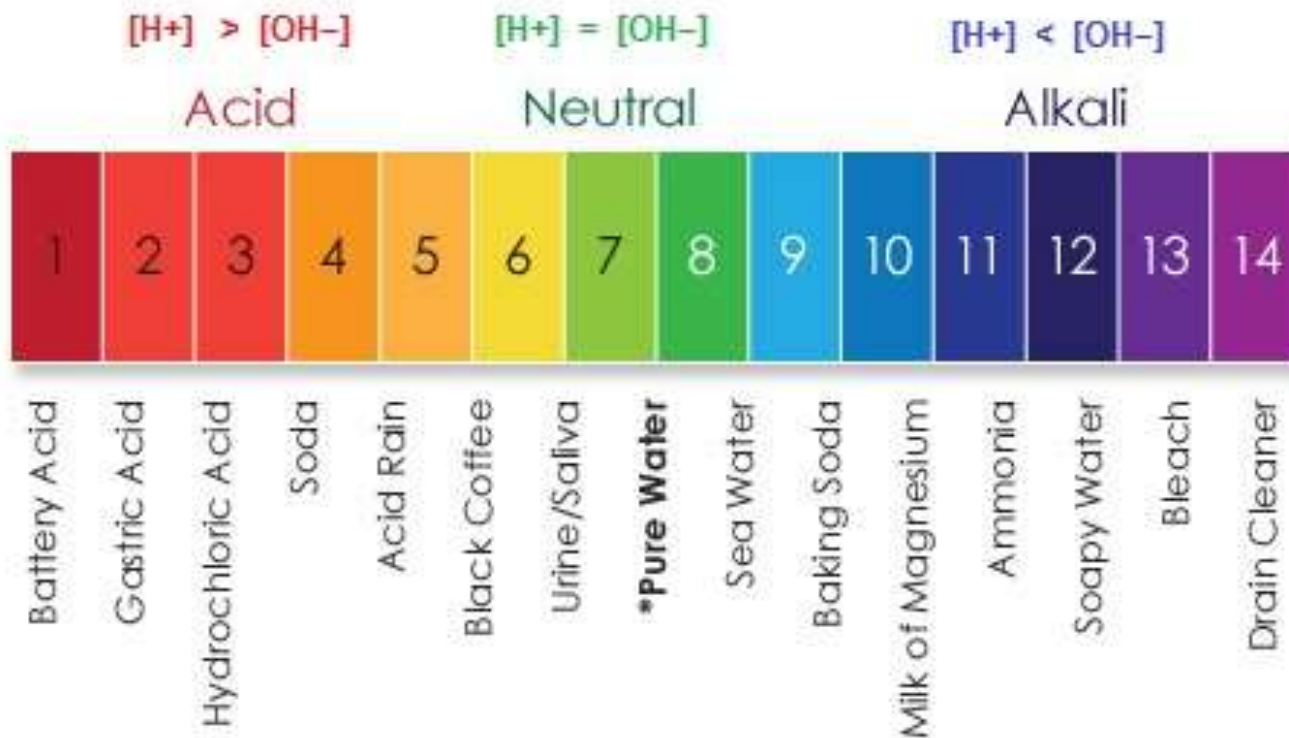
Water

Salt Solution

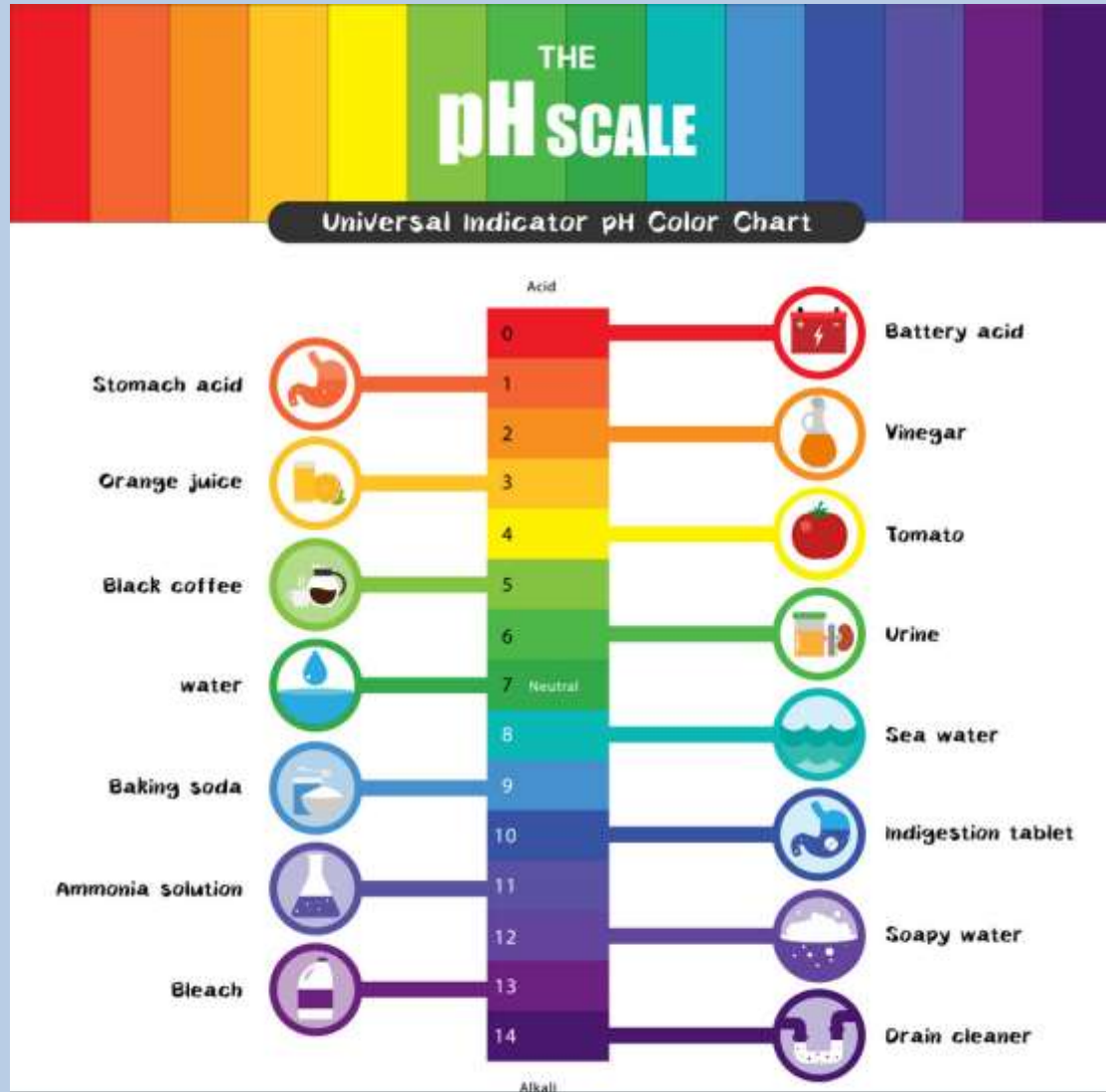
Magic of Water

pH scale: acid = <7 , high $[H^+]$

base = >7 , high $[OH^-]$



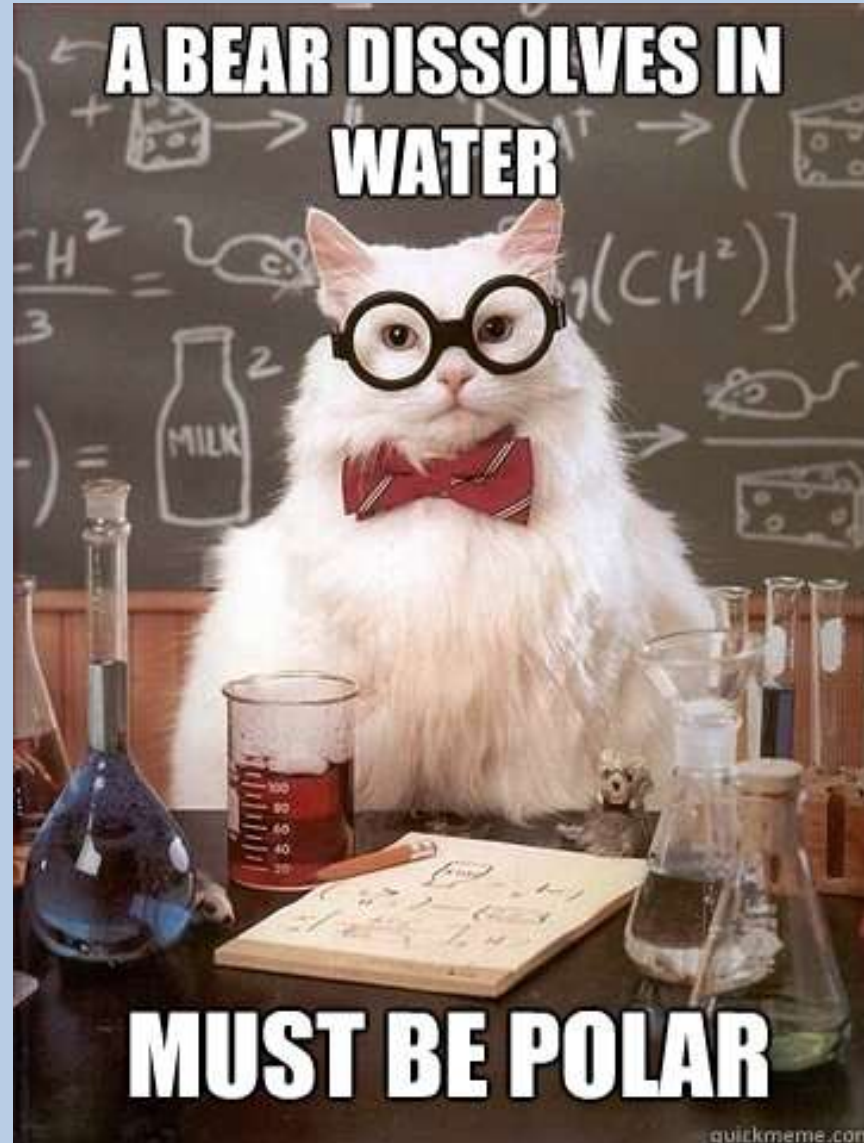
Magic of Water



Logistics

- **Unit 1 Assessment is on Thursday, October 3rd**
- **Covers chapters 1-2**

Logistics



Magic of Water

- Today you will use your new knowledge of water to explain several magic tricks involving water

Magic of Water

- Title page 11 “Magic of Water”
- There are 8 stations around the room
- You will write your answers on page 11:
 - Make sure to label each station

Magic of Water – Pre-Lab pg. 11

1. Draw in color and label 3 large water molecules (using a space filling model) united by hydrogen bonds. LABEL THE CHARGES ON THE ATOMS AND BONDS. Circle the individual molecules.
2. What is the term for a molecule that has the two ends with a slightly different charge?
3. Why does water have 2 ends with different charges?

Magic of Water

- **Move around the room to complete all stations**
- **Follow the directions carefully**
- **You will write your answers on page 11**
- **Make sure to label each station**
- **CLEAN UP AFTER YO'SELF**

Magic of Water

Caution, you are in the splash zone



Logistics

- **Let's go over the answers to the Magic of Water Lab**