



A St. Joseph Narrative

'A Catholic Tradition of Excellence'



Data Table: Measurement of pH

Name of substance	Hypothesis (is it an acid or a base?)	pH level	Acid or base?	Volume (L)
milk	base	7	neutral	0.15L
1. H ₂ O	neutral	7	neutral	0.15L
2. tea	acid	5	acid	0.15L
3. vinegar	acid	3	acid	0.15L
4. soap	base	7	neutral	0.15L
5. baking soda	base	9	base	0.15L
6. acid wash	acid	5	acid	0.15L

ANALYSIS QUESTIONS

1. What does the pH scale indicate?
The level of acidity of a substance
2. What is an acid? Where are they found on the pH scale?
A substance that increases the concentration of hydrogen ions in water
3. What is a base? Where are they found on the pH scale?
A substance that decreases concentration of H⁺ ions
4. Were any substances tested neutral? Why or why not? Explain your answer.
Yes, water is neutral because it has the same amount concentration of H⁺ ions & OH⁻ ions
5. Were any of your results surprising? Why or why not?
Yes, I was surprised that soap and water was neutral. I thought the soap would cause a decrease in H⁺ ions
6. How do the numbers on the pH scale relate to exponents or "powers of ten"? Explain your answer thoroughly.
Each increment on the pH scale has 10x difference in H⁺ ions concentration.

1. Write five facts you learned about acids and bases.
 1. Neutrals have equal amount of H⁺ ions and OH⁻ ions
 2. Anything below 7 and above 7 is an acid on the pH scale
 3. Anything above 7 and below 7 on the pH scale is a base and 7 is neutral
 4. There is a 10x difference between each number on the pH scale of H⁺ ions concentration.
 5. Acid wash is less acidic than vinegar.

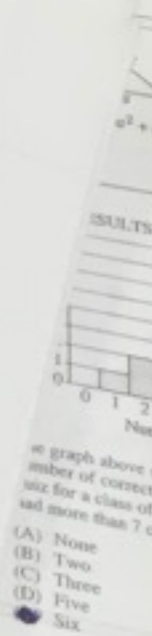
milk - 1.2943 etc Concentration of H⁺ ions
 H₂O - 9
 tea -
 Vinegar
 Soap
 baking

4 PRACTICE TEST

SECTION 4
 Time - 25 minutes
 18 Questions
 (21-38)

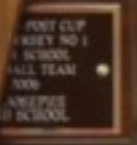
Directions: This section contains two types of questions. You have 25 minutes to complete both solve each problem and decide which is the best of the choices given. Fill in the corresponding box. You may use any available space for scratch work.

1. The use of a calculator is permitted.
2. All numbers used are real numbers.



Academic Excellence

Captured in the photo is a student completing their work. You see them with their resources laid out, diligently finishing the task at hand. Although their phone screen is cracked, they are still using it as a calculator to complete what they are working on. St Joseph teaches us to be not only resourceful, but to work harder in order to succeed.



Athletics

This photo captures only a portion of the trophies that St Joseph Highschool has won over the years. Each trophy is portrayed in this case, including most of the football trophies that have been won.



Friendship

Friendship is one of the qualities that you can't avoid in this school. No matter who you are, you end up befriending a lot of the school, being that it's so small and everyone here is so accepting of different people.



Guidance

The guidance that St Joe provides is like no other facility. Here, teachers aren't out "to get you" but to help you learn, develop, and succeed not only academically, but later in life. They teach lessons that no other school could provide to you.



Historic

Our school is very historic. It began as a seminary in 1935, and around the year 1942, became a school for all to attend. Our school includes religion as well as academics as its main focus.

St. Joseph 

Garden

Greens

Always Remember Mr. Henshaw 

Interactive

Like portrayed in this picture, St Joseph High School is very interactive. Students in the '14-'15 school year built the sign above, planting vegetables inside of the garden.



Religion

As any catholic highschool, St Joes was not only named after a religious figure, but portrays it daily. As religion is a required class, students still pray every morning and afternoon, before the start of many classes, and attend a required mass once a month.



Small

St Joes is a very small school, made up of less than 500 students and faculty combined. As a small school, we can get the entirety of the student body involved into activities and clubs.

ST. JOSEPH

Uniform

Required dress in St Joe's are uniforms. Each uniform doesn't only represent our school as a student, but the legacy and pride of our school.



Wildcats

Our entire school is based off the idea of the wildcats as a school mascot. A huge part of the school are all of the sports teams our school harbors here, all with the team name of Wildcats.