

pH Levels of Different Types And Brands of Water

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Introduction/Rationale

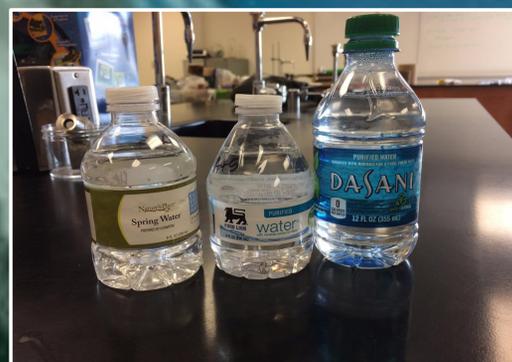
The purpose of this project is to see the different pH levels of different types and brands of water. We chose this experiment because it is an interesting project that we have seen many times, but wanted to try for ourselves. We wanted to know what the pH levels of the water to help people drink the less acidic water.

Research Problem

Are some waters more acidic than others? If we leave the tops off of the water how much will the air affect the pH levels?

Hypothesis

We believed the rain water would be a lot more acidic than other bottled waters. We also thought that leaving the tops off of the bottles would greatly affect the pH levels.



Materials and Methods

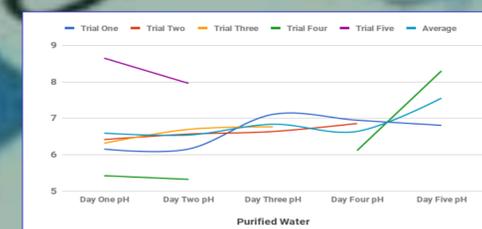
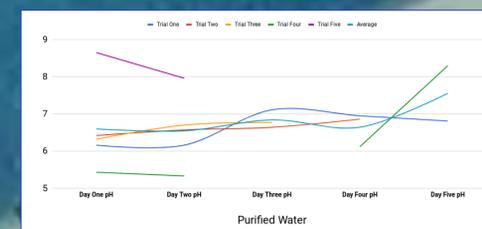
This experiment used some specialized equipment including the following:

1. pH meter
2. Rain water
3. Dasani Water
4. Spring water
5. Purified water
6. Distilled water
7. Samsung Tablet
8. Calibration fluids for pH meter
9. Plastic Cups

Procedure:

We used cups to hold the different types of water, such as Dasani, Spring water, rain water, distilled water and purified water. Then we took the pH meter and checked and recorded the pH level they had over the next couple of days. The bottle tops were left off.

Results



Discussion of Results

The waters were similar. The pH levels on almost all the waters went up when we left the top off the bottle. Next time we would try more waters. We could also try leaving the caps on some bottles and leaving some off on other bottles of the same water. We saw that when we tested the distilled water that they never started at level 7 pH.

Conclusion

Our hypothesis was not correct about rain water pH – other waters were more acidic to start with. Waters are very different, but also have similar pH levels that all went up. They all became more basic so the hypothesis was correct because the waters were affected by the air.

References and Acknowledgements

References

- <https://www.freedrinkingwater.com/water-education/quality-water-ph-page2.htm>

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