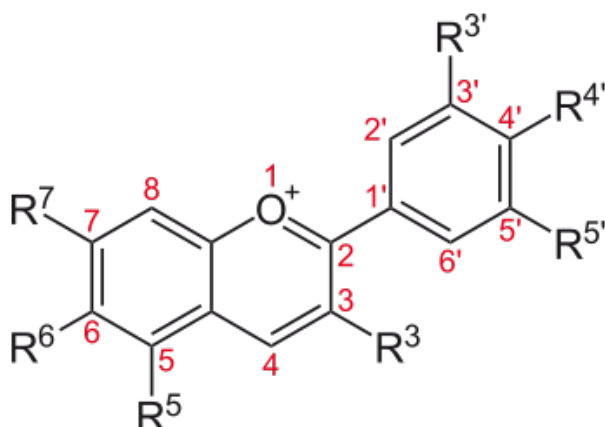


Basic chemical
anthocyanin⁴



structure of

Conclusion

A pH scale was established for each effective indicator. Based on the pH scale established, the natural indicators are then be used to discover the pH level of household items. A rough estimation of the pH level of vinegar, orange juice, bleach, baking soda, grapefruit juice, lemon, and egg whites were determined. The pH level of bleach cannot be determined as it is not in the range of the natural indicators. Natural indicators are one of the ways to determine the pH level of household items. It is affordable and safe to be conducted in home environment.

Strength

1. It is possible to determine the approximate pH of a solution with the range from 1-14 as it displays variety of colours.

Limitations

1. It is difficult to determine estimated pH range of acidic substances due to only one indicator that can be use, which is red cabbage.

⁴ (n.d.). Retrieved February 21, 2016, from <https://en.wikipedia.org/wiki/Anthocyanin#/media/File:Anthocyanidine.svg>