

pH of Household Substances Lab

Title (1 mark)

Introduction (5 marks)

- Include background information like what is an acid or base, where would they fall on the pH scale, and what are indicators.
- Include a purpose.
- Include your hypothesis.

Materials (2 marks)

Procedure (3 marks)

- Include step-by-step list of instructions. Don't use 'I' and be as specific as possible.
- Include a diagram of your set-up

Observations (4 marks)

- Include a chart of any observations you made during your lab.

Analysis

- Based on your observations, which chemicals were acidic, neutral, and basic. (3 marks)
- For which substances were your predictions incorrect? What do you think lead you to these incorrect predictions? (2 marks)
- Toothpaste manufacturers often make their products slightly basic. Using your knowledge of acids and bases, evaluate why they do this? (3 marks)
- Weigh out any pros or cons of the indicators and apparatus you used. (4 marks)

Conclusion

- Explain and sources of error in your investigation. (3 marks)
- Did your results match your hypothesis (and review major findings). (2 marks)
- What changes would you make for next time? (3 marks)