

# Human Blood Plasma and pH



*Miss School, Miss Out!*

# Human Blood Plasma and pH

- **Question:** How does the addition of an acid affect the pH of blood plasma?
- **Hypothesis:**
- **Procedure:**
- **Observations/Data:**
- **Analysis:**
- **Conclusion:**

# Human Blood Plasma and pH

## Addition of an Acid

Trial	Blood Plasma pH	Water pH
Initial		
5 drops		
10 drops		
15 drops		
20 drops		
25 drops		

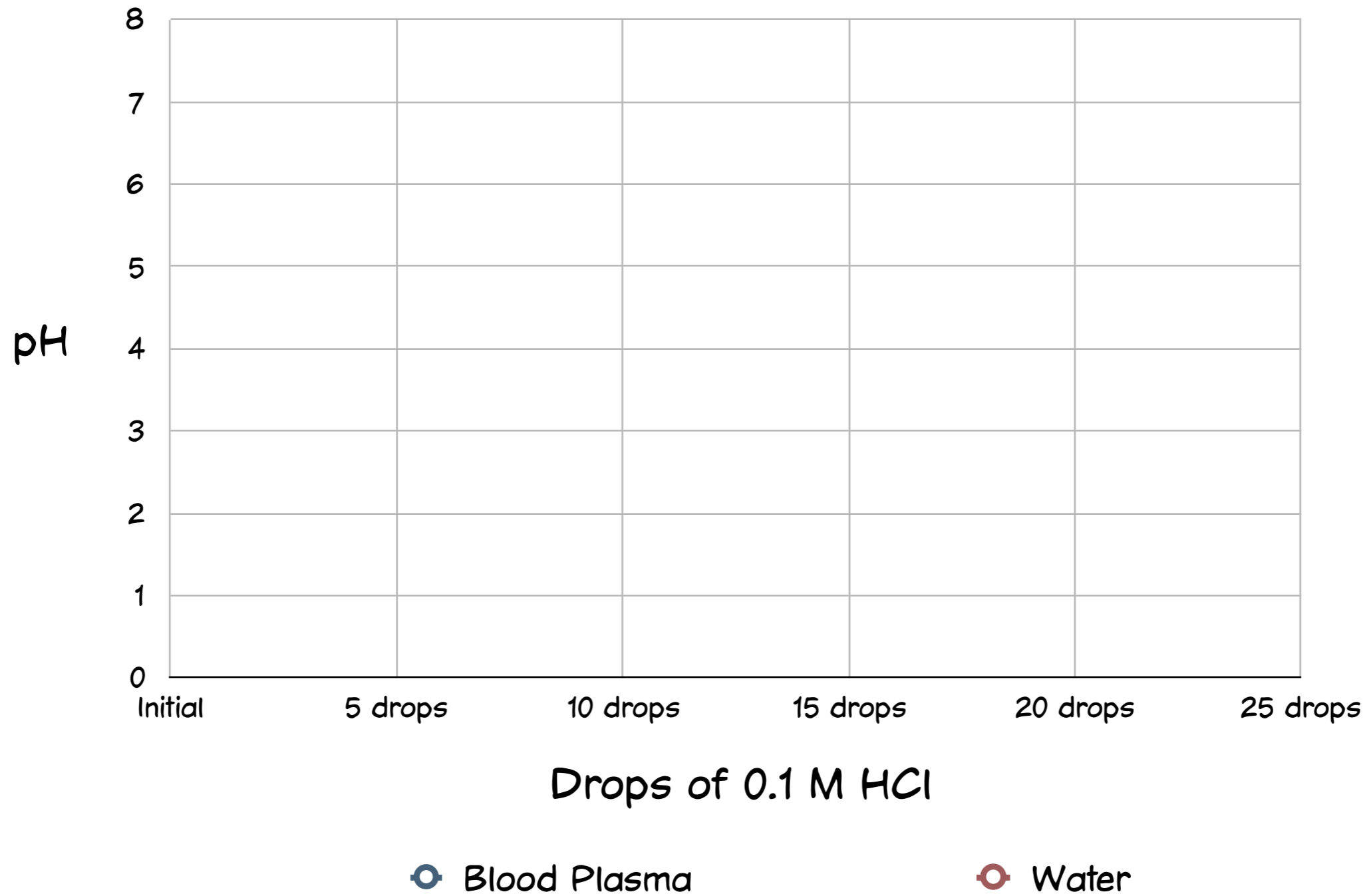
# Human Blood Plasma and pH

## Addition of an Acid

Trial	Blood Plasma pH	Water pH
Initial	7.4	7.1
5 drops	7.3	6.2
10 drops	7.4	3.5
15 drops	7.5	2.9
20 drops	7.4	2.8
25 drops	7.4	2.8

# Human Blood Plasma and pH

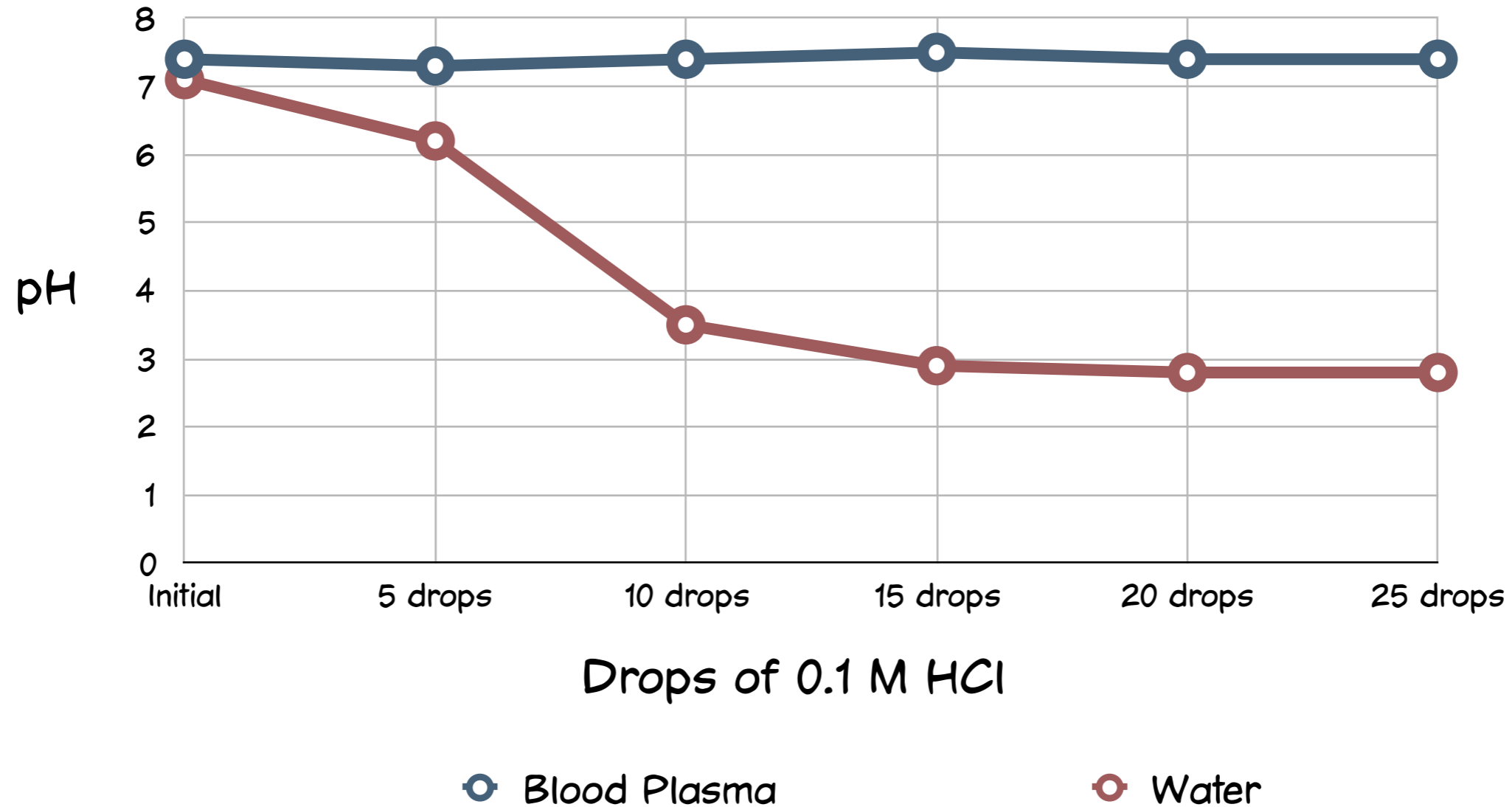
## pH Change with Addition of HCl





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## pH Change with Addition of HCl



# Human Blood Plasma and pH

Knowing how blood plasma is affected by the addition of an acid, how do you think blood plasma will react to the addition of a base? Why?

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## Addition of a Base

Trial	Blood Plasma pH	Water pH
Initial	7.4	7.3
5 drops	7.3	8.1
10 drops	7.4	8.9
15 drops	7.5	10.4
20 drops	7.5	10.7
25 drops	7.6	10.8



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## pH Change with Addition of NaOH

