



Biology: Required Practical 4



🍏 What is this required practical about?

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🍏 Label the equipment above.

🍏 What are your variables in this experiment:

- Independent:
- Dependent::
- Control (x3):

🍏 Think about how you carried out this practical.

Write a logical and comprehensive method, using numbered bullet points

Is your method good?

Read it. If someone else could get results from it then yes!

🍏 How do you keep the temperature of the solutions constant throughout the experiment?

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🍏 How should the student measure the rate of reaction?

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🍏 Name the apparatus needed to measure the following:

- Volume of liquid:
- Time::
- pH:

🍏 How would you present your results for this practical?

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🍏 A student's results are shown below. Calculate the rate of reaction

pH	Time taken for solution to turn black (minutes)	Rate of reaction
12	33.7	
10	26.8	
8	4.2	
6	19.3	
4	54.1	

🍏 Draw a graph of the results on separate paper.