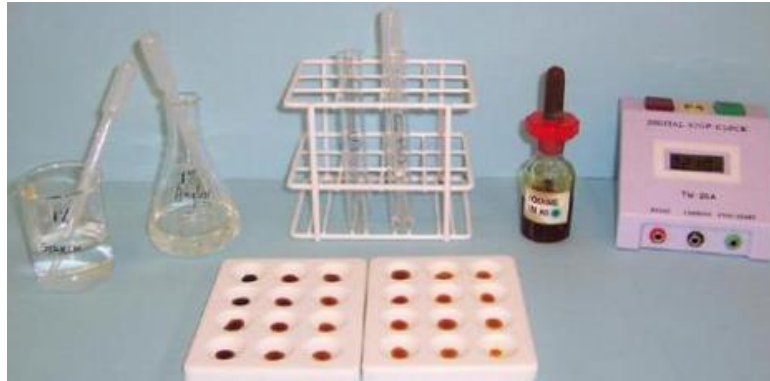




Biology: Required Practical 4



- What is this required practical about?

.....

- 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?

.....
.....

- How should the student measure the rate of reaction?

.....
.....

- Name the apparatus needed to measure the following:

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

- How would you present your results for this practical?

.....

- 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.