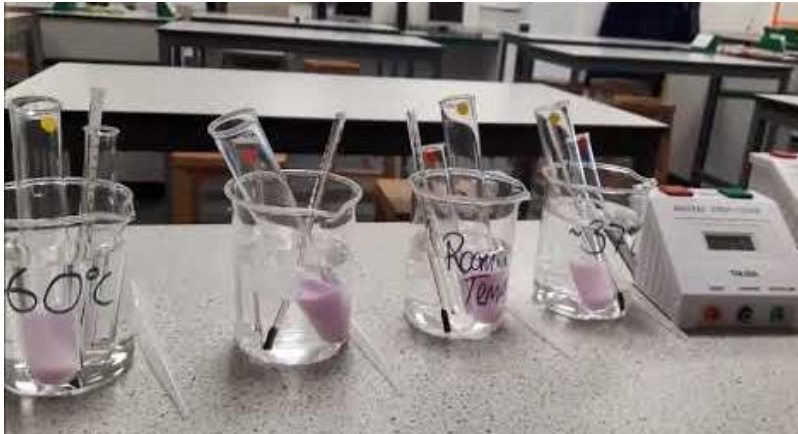




## Biology: Required Practical 10



- What is this required practical about?

.....

- What are your variables in this experiment:

- Independent: .....

- Dependent: .....

- Control (x3): .....

- Name the equipment you should use to measure pH and temperature.  
Give the resolution of each piece of equipment.

.....

.....

- Write a hypothesis for this experiment.

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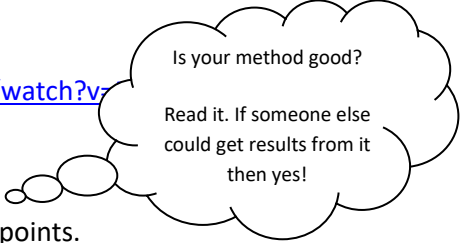
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- Give the equation for anaerobic decay.

.....

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<https://www.youtube.com/watch?v=>



- Think about how you carried out this practical.  
Write a logical and comprehensive method, using numbered bullet points.

- One of the biggest sources of error in this experiment was identifying when the end point had been reached, i.e. was the solution purple yet or not when judging by eye. Outline how you could use a different piece of equipment to prevent this from having an effect on the results.

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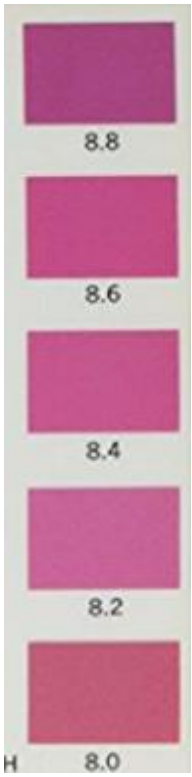
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- A group's results are shown below.  
Draw a graph of their results.  
Annotate the graph to explain why the shape of the graph is like that at each point.

Temperature (°C)	Time taken to turn purple (minutes)
-10	259.55
0	231.10
10	50.67
20	23.01
30	13.95
40	169.63



<https://www.youtube.com/watch?v=FVrOIMmmBQE>