

# OCR B Biology A-level

## PAG 05a - Colorimeter

### Flashcards

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# What does a colorimeter measure?



What does a colorimeter measure?

Absorbance/transmission.

The paler the solution, the lower the absorbance and higher the transmission.



Outline the procedure to find an unknown concentration of reducing sugar.



# Outline the procedure to find an unknown concentration of reducing sugar.

1. Carry out a Benedict's test on a range of standard solutions of reducing sugar.
2. Using the colorimeter, measure the percentage transmission for each sample.
3. Plot a graph of transmission against reducing sugar concentration.
4. Carry out a Benedict's test on the unknown solution and measure the transmission using the colorimeter.
5. Plot the transmission on the calibration curve, and read off the x axis (reducing sugar concentration) for the concentration of the unknown solution.



What indicates a higher reducing sugar concentration?



What indicates a higher reducing sugar concentration?

Higher absorbance, lower transmission.

