

A chemical stop-clock: iodine clock reaction

If equal quantities of the two colourless solutions A and B are mixed together the mixture will remain colourless for a few seconds and then suddenly change to a deep blue colour. The time delay varies with concentration of the solutions.

- Find the dilutions that will give a time delay of exactly 70 s. Produce 20 cm³ samples of diluted solutions of A and B which, when mixed, will enable the required time to be measured.

Health & Safety

Eye protection must be worn.

In planning this activity, you should consider health and safety. Treat all unknown substances as hazardous and check your plans with your teacher before implementing them.

Credits

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Health & safety checked May 2018

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