## Experiment: Modelling blood diffusion

1) Place two 250 ml beakers either on a light surface or white spotting tiles.
2) Run the tap until you feel a constant temperature. Carefully fill a measuring cylinder up to the 250 ml gradient and pour the contents into one of your 250 ml beakers.
3) Allow your teacher to carefully fill the other 250 ml beaker with boiling water from the kettle. Handle this beaker with care.
4) Making sure your stopwatch is on zero and ready to use, pipette one drop of food colouring into each of the beakers at the same time. Start the stopwatch simultaneously.
5) In your table record the time it takes for the red food colouring to completely diffuse across the liquid (an evenly spread colour).
6) Repeat this experiment two more times to allow you to calculate an average.
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## Health \& Safety

-Be sure to use a small amount of food colouring to gain effective results.
-Be careful not to spill the food colouring on your clothes or on the table.
-Wear goggles throughout the experiment.

- Clear up any spills to avoid slips and trips in the laboratory -Keep glassware on the centre of the table to reduce the chance of it breaking.


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