

Laboratory 4

Thursday, April 27, 2000

Equipment

Magnetic Stirrer & Stirring bar.
Erlenmeyers
Thermometer
Beral Pipettes (1 ml)
Measuring cylinders

De-ionised water
Chlorox bleach
Food colors: yellow green and blue

Goal

To determine the rate law for the bleaching of food coloring. You should determine the order of the reaction and the rate constant. You may also determine the activation energy. ($R = 8.314 \text{ J/mol K}$)