



# Colorimetry & Calibration Curves

Colorimeter

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Aparatus & Method



Calibration Curve

Calibration Curve

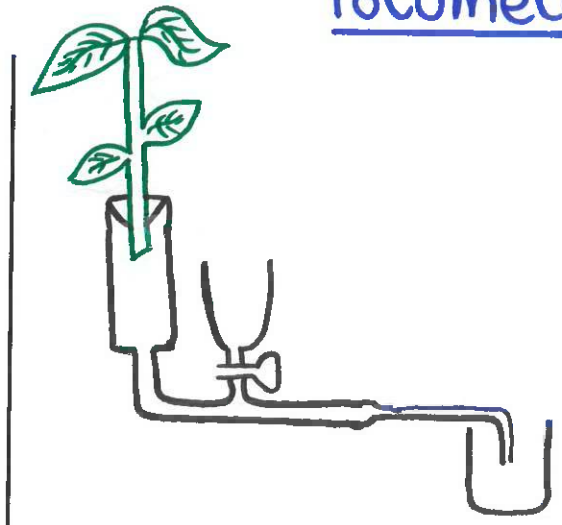
\_\_\_\_\_ ( \_\_\_\_\_ ):





# Potometer

- 1
- 2
- 3
- 4
- 5



## Explain the Results

### Variables to Control

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### Sources of Error

### Calculating the Rate of Transpiration

x



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# Serial Dilutions

Serial Dilution

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e.g.

Uses:



Ten Fold Serial Dilution



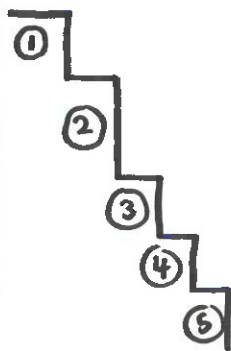


# Using a Light Microscope

- 1
- 2
- 3
- 4
- 5



## Eye-piece Graticule & Stage Micrometer





# Slide Preparation

## Slide Preparation

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## Staining

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# Biological Drawings

## General Principle

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e.g.

## Common Mistakes

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## Bad Scientific Drawing

## Good Scientific Drawing

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## labelling

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# Chromatography

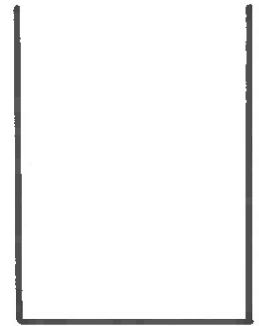
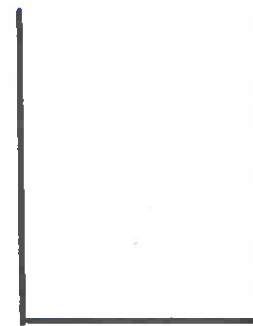
Chromatography

Chromatography:

Paper Chromatography:

Thin layer Chromatography ( ):

e.g.



Method



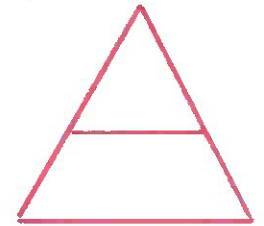


# Chromatography: R<sub>f</sub> Values

1 2 3 4 5

## Chromatogram

R<sub>f</sub> value = \_\_\_\_\_



	Distance of Pigment (mm)	Distance of Solvent (mm)	R <sub>f</sub> Value
chlorophyll a			
chlorophyll b			
Xanthophyll			





# Electrophoresis

Electrophoresis

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# The Ethics of Using Invertebrates

## Arguments for...

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## Arguments Against...

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# Aseptic Technique

- 1
- 2
- 3
- 4
- 5

Aseptic  
Technique

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## Importance of Aseptic Technique

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## Example of Technique

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# Dissection

1 2 3 4 5

## Safety

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## Diffusion

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## Prevent Water Loss

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