



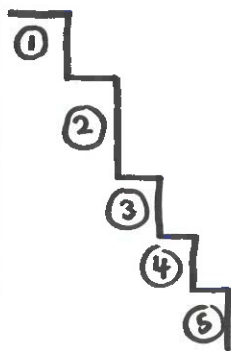


# Using a Light Microscope

- 1
- 2
- 3
- 4
- 5



## Eye-piece Graticule & Stage Micrometer





# Slide Preparation

1 2 3 4 5

## Slide Preparation



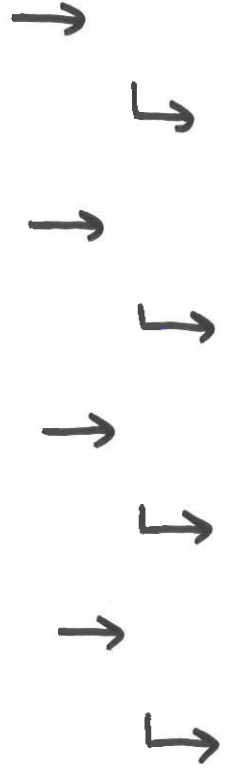
## Staining





# Root Tip Squash

- 1
- 2
- 3
- 4
- 5





# Dissection

- 1
- 2
- 3
- 4
- 5

Safety.





# Investigating Populations: Sampling.

## Sampling.

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## General Rules

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## Random Sampling.

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## Non-Random Sampling.

### Systematic Sampling.

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e.g.

### Opportunistic Sampling.

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- ↘

### Stratified Sampling.

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- ↘



# Investigate the Effect on Enzyme or Substrate Concentration on the Initial Rate of Reaction

1 2 3 4 5

Changing Substrate Concentration



Changing Enzyme Concentration





# Colorimetry & Calibration Curves

Colorimeter

\_\_\_\_\_:

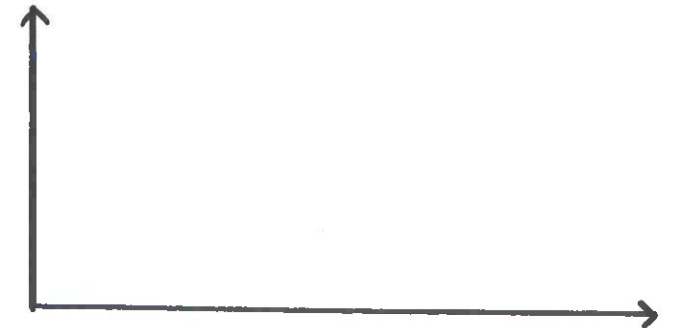
Aparatus & Method



Calibration Curve

Calibration Curve

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







# Serial Dilutions

Serial Dilution

\_\_\_\_\_:

e.g.

Uses:



Ten Fold Serial Dilution





# Investigating Permeability of Cell Membranes

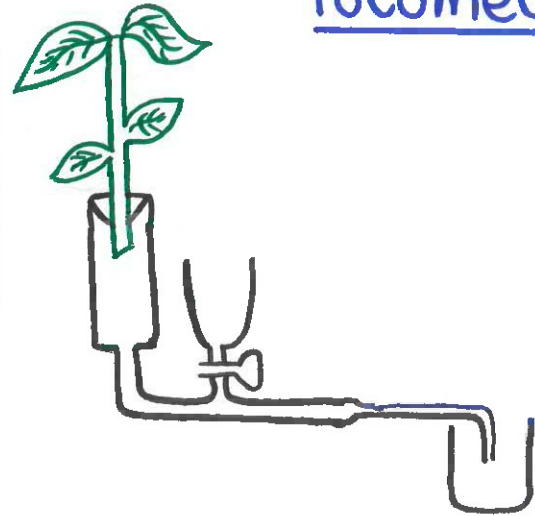
1 2 3 4 5





# Potometer

- 1
- 2
- 3
- 4
- 5



## Explain the Results

### Variables to Control

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### Sources of Error

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### Calculating the Rate of Transpiration

x



- 
- 
-



# Chromatography

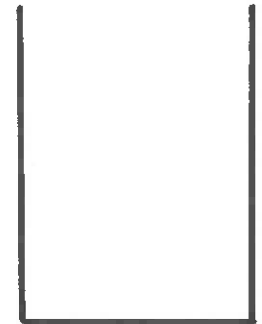
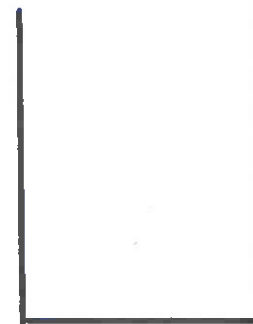
Chromatography

Chromatography:

Paper Chromatography:

Thin layer Chromatography ( ):

e.g.



Method



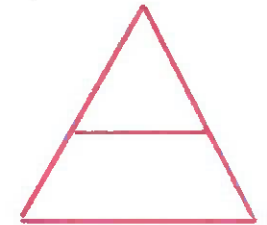


# Chromatography: R<sub>f</sub> Values

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

\_\_\_\_\_ :

