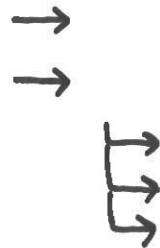




# Investigate the Effect on Enzyme or Substrate Concentration on the Initial Rate of Reaction

1 2 3 4 5

Changing Substrate Concentration



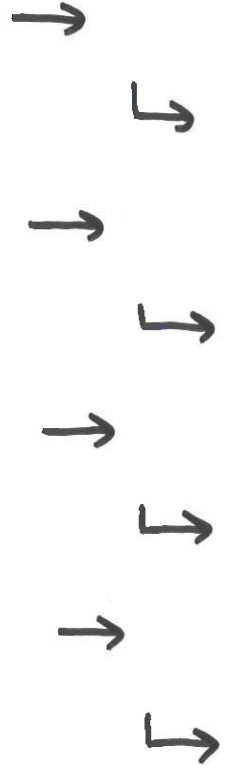
Changing Enzyme Concentration





# Root Tip Squash

- 1
- 2
- 3
- 4
- 5



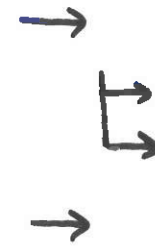


Mitotic Index

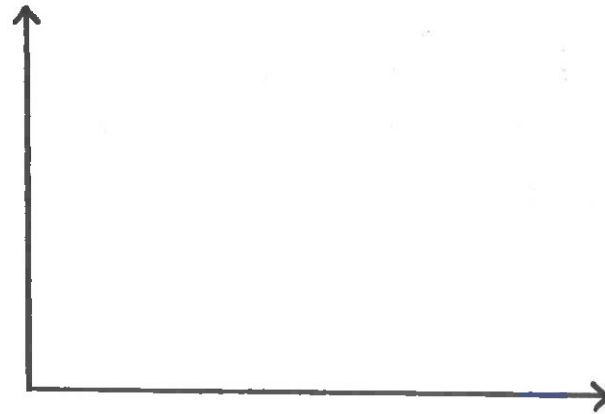
# Mitotic Index

- 1
- 2
- 3
- 4
- 5

$$\frac{\text{Number of cells in mitosis}}{\text{Total number of cells}} \times 100$$



Investigate Herbicide



## Common Problems





# Identifying the Water Potential of Plant Tissue

## Method

- 1)
- 2) →
- 3)
- 4)
- 5)
- 6) →
- 7)
- 8)

## Making Serial Dilutions

Vol of known conc <sup>n</sup> (cm <sup>3</sup> )	Vol of water (cm <sup>3</sup> )	Total Vol (cm <sup>3</sup> )	Final Conc <sup>n</sup> (mol dm <sup>-3</sup> )

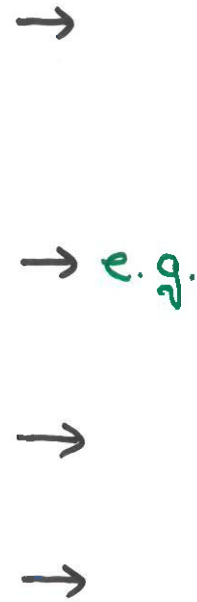
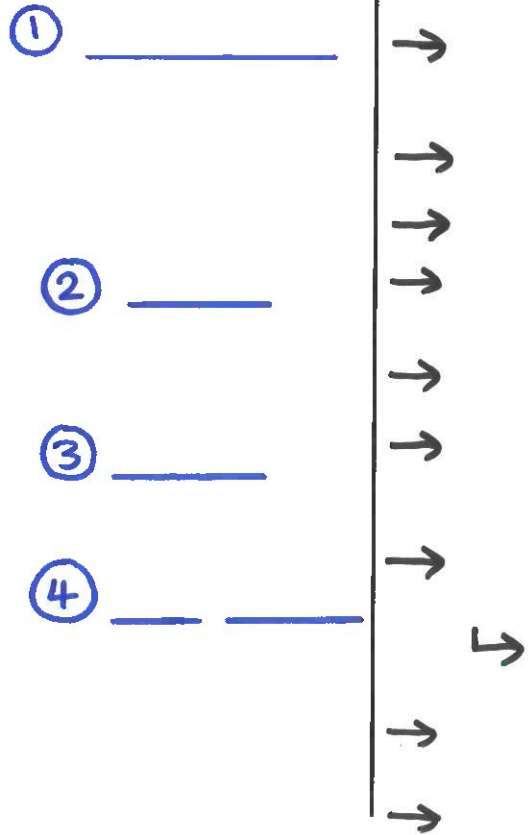
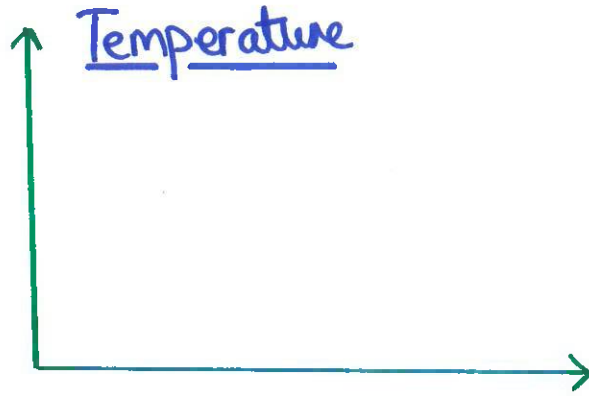
Q Make 30cm<sup>3</sup> of 0.75mol dm<sup>-3</sup> NaCl from a stock solution of 1.8 mol dm<sup>-3</sup>





# Factors Affecting Membrane Permeability

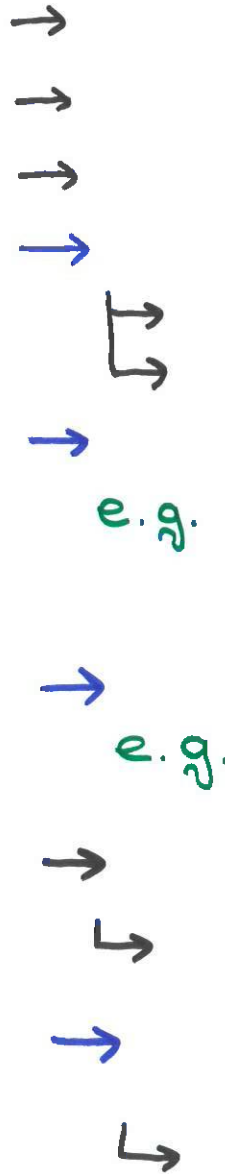
- 1
- 2
- 3
- 4
- 5





# Investigate the Effect of Temperature or Alcohol Concentration on membrane Permeability

- 1
- 2
- 3
- 4
- 5





# Investigate the Effect of Antimicrobial Substances on Microbial Growth

1

2

3

4

5

## Method

→

e.g.

→

e.g.

→

→

→

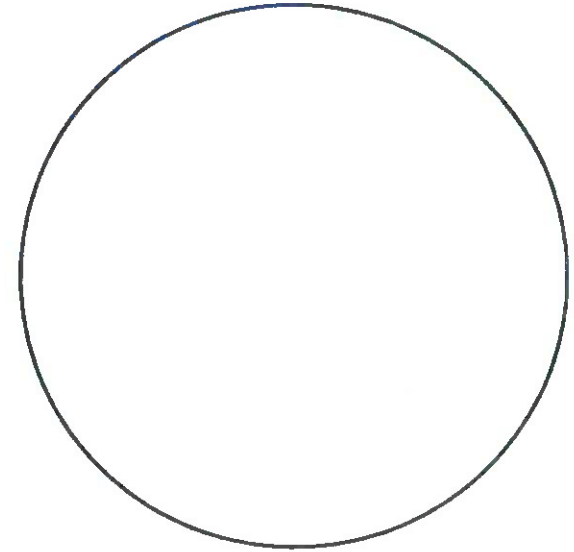
→

↳

→

→

→



## Clear Zone

→

→

→