

## Biology Reference Sheet

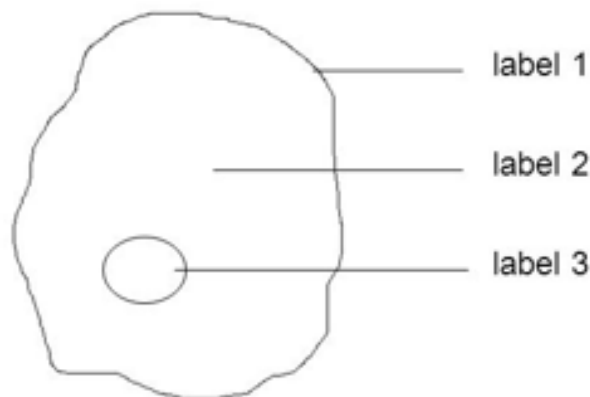
### Biology Diagrams

- Draw your Diagram within the outline of a Field of View
- Drawings of specimens are not sketches. The lines must be sharp and clear- NO SHADING
- No Colouring
- Use a sharp pencil only. NO PEN OR PENCIL CRAYONS.
  - Diagrams not completed in pencil will receive a 0
- Use a ruler for drawing label lines
- Do not cross label lines
- Label lines should always extend beyond the drawing.
- Labels must clearly indicate what you are referring to (No arrows)
- Do not Label anything within your Field of view circle.
- Each drawing needs a Title
- Always include Total Magnification
- Include Actual size and Drawing Magnification if specified.

Name

Date

Type of Cell (Total Magnification) e.g. 400 X



## Determining Field of View

$$\diamond \text{ Medium power: } FOV\#2 = \frac{FOV\#1 \times \text{Magnification \#1}}{\text{Magnification \#2}}$$

$$\diamond \text{ High power: } FOV\#3 = \frac{FOV\#1 \times \text{Magnification \#1}}{\text{Magnification \#3}}$$

## Determining Actual (Estimated Size)

$$\text{Estimated size} = \frac{\text{Field of View}}{\# \text{ of time object fits across diameter}}$$

## Drawing Magnification

$$\text{Drawing magnification} = \frac{\text{Drawing size}}{\text{Actual(Estimated)size}}$$

## Conversions

$$1\text{mm}=1000\mu\text{m}$$