



# MICROSCOPE

## OBSERVATION TEMPLATE

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: \_\_\_\_\_

Partner/Group: \_\_\_\_\_

### 1 OBSERVATION DETAILS

What are you observing?

\_\_\_\_\_

Why are you observing it? \_\_\_\_\_

\_\_\_\_\_

Hypothesis (What do you think you will see?)

\_\_\_\_\_

### 2 EQUIPMENT & SETTINGS

Equipment used (tick):

- Light microscope
- Slides
- Cover slip
- Dropper/Pipette
- Stain
- Other: \_\_\_\_\_

Microscope settings:

Objective lens: \_\_\_\_\_

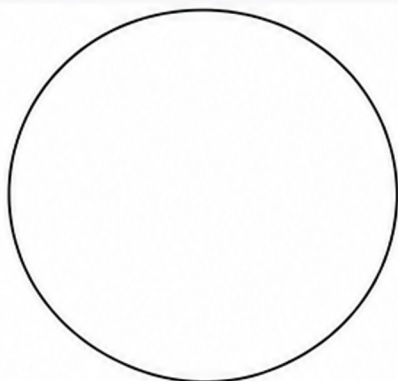
Total magnification: \_\_\_\_\_

Light source: \_\_\_\_\_

Illumination (low/med/high): \_\_\_\_\_

### 3 MAKE A CLEAR DRAWING

Draw what you see. Label key features.



Labels / Key Features

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### 4 OBSERVATIONS



What do you see?

\_\_\_\_\_

\_\_\_\_\_



Size, shape, colour, texture

\_\_\_\_\_

\_\_\_\_\_



Parts / Structures you can identify

\_\_\_\_\_

\_\_\_\_\_



What do you wonder?

\_\_\_\_\_

\_\_\_\_\_

### 5 FAIR TESTING (If comparing)

What are you changing? (Independent variable)	What are you keeping the same? (Controlled variables)	What are you measuring or observing? (Dependent variable)	Prediction (What do you expect?)

### 6 CONCLUSION



What did you find out?

\_\_\_\_\_

\_\_\_\_\_



How does this support or change your hypothesis?

\_\_\_\_\_

\_\_\_\_\_



What could you investigate next?

\_\_\_\_\_

\_\_\_\_\_

### VOCABULARY HELPER



**Magnification**  
How much larger the image appears.



**Resolution**  
The ability to see small details clearly.



**Illumination**  
The light used to see the specimen.



**Specimen**  
The sample being observed.



**Structure**  
A part of the specimen.