

# YEAR 11 BIOLOGY- TERM ONE RECAP WORKSHEET - 2

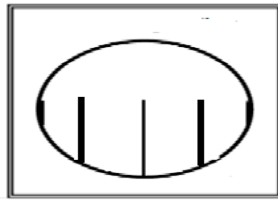
**Note :** Write all the answers in your remedial book.

## SUB- STRAND 1.2      CELL STRUCTURE AND FUNCTION

### WORKSHEET 2

#### DAY 1

1. A transparent millimeter ruler was placed under the microscope at 80x magnification as shown below.



- (i) Calculate the diameter of the field of view at 40x magnification in micrometers ( $\mu\text{m}$ ).
- (ii) If twenty cells of equal size were seen along the diameter of field of view at 40x magnification, calculate the size of one cell in micrometers ( $\mu\text{m}$ ).

#### DAY 2

- (i) During the preparation of wet mount, name the glassware that is used to keep the specimen in place on the slide.
- (ii) Explain the steps of preparing a wet mount.
- (iii) What is a wet mount.

#### DAY 3

1. State the function of the following parts of the microscope.
  - (i) The eye piece
  - (ii) Diaphragm
  - (iii) Mirror
2. State the two function of a microscope.

#### **DAY 4**

1. State two difference between plant cell and animal cell.
2. Which cell has a large vacuole. Give a reason.
3. State the function of cell wall in plants.

#### **DAY 5**

1. Draw and explain the function of the following organelles:  
chloroplast and golgi bodies in plant cell.
2. Draw and explain the function of mitochondria in animal cell.
3. Explain the function of the cell membrane.