

**MINISTRY OF EDUCATION, HERITAGE AND ARTS
YEAR 13 BIOLOGY
REVISION WORKSHEET 2**

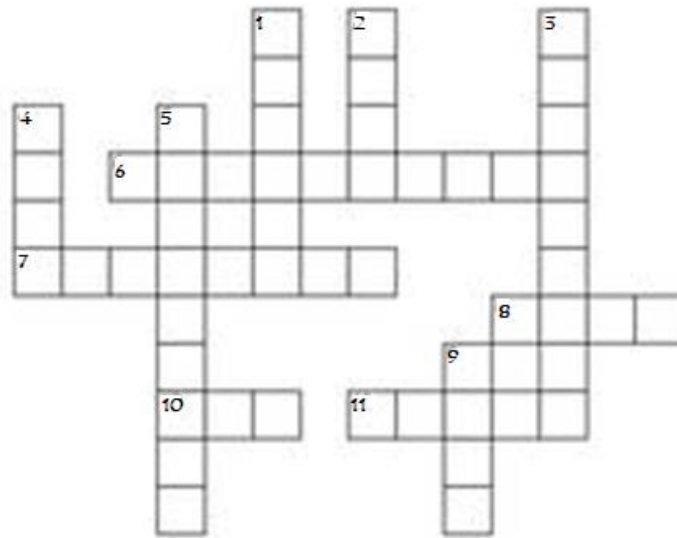
Write the answers to the following questions in your exercise/activity books.

Microscopy

1. Define the following terms and use examples where possible.

a. Magnification	c. Field of view	(4 marks)
b. Resolution	d. Total magnification	

2. Complete the following crossword on the parts of a microscope.



Source: <https://slideplayer.com/slide/6363866/>

(11 marks)

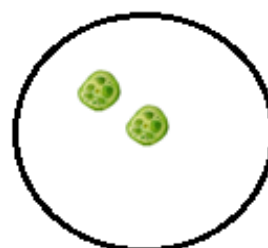
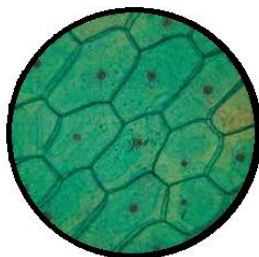
Across

6. An optical instrumental used for viewing very small objects
7. Lens that allows the specimen to be viewed
8. A focus knob that moves the stage slightly to sharpen the image and see fine details
10. The place to grab the microscope when it is going to be carried around
11. Supports the specimen so it can be viewed

Down

1. A focus knob that allows the stage to move up and down to get the specimen into view
2. A piece of glass with curved sides for concentration on dispersing light rays
3. The lens attached to the nosepiece that ranges from low to high magnification
4. Bottom of the microscope, used to carry the microscope
5. Adjusts the amount of light that reaches the specimen
9. Projects light upwards through the diaphragm to allows the specimen to be viewed

3. Estimate the size of one cell (in microns) for the diagrams given below, viewed under 10x magnification. The field of view diameter at 10x magnification is 2mm for all. **(6m)**



Source: <https://www.pinterest.com/>

The End