**Review: Compound Light Microscope**

Label the following diagram beside each number.

Complete the following chart on the functions of each part of the microscope:

|  |  |  |
| --- | --- | --- |
| **Label** | **Name** | **Function** |
| **1** |  |  |
| **2** |  |  |
| **3** |  |  |
| **4** |  |  |
| **5** |  |  |
| **6** |  |  |
| **7** |  |  |
| **8** |  |  |
| **9** |  |  |
| **10** |  |  |
| **11** |  |  |
| **12** |  |  |

The Microscope Lab

BIOLOGY

**A. Looking at a Letter**

In the first part of the lab, you will prepare a wet mount of a letter.

1. Tear a lower case “e”, “f”, “g” or “k” from the paper given. Make a wet mount of the little piece of paper.

Draw how your slide looks before putting it under the microscope *(try to use stippling):*

2. Use LOW POWER to observe the letter.

Draw the letter, **exactly** the way it looks through the microscope in the circle *(stippling):*

 LOW POWER

3. Describe the way that an object when viewed through a microscope will be oriented: (ex: right side up, upside down, reversed, forward)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. When you move the slide on the stage:

a) **DOWN,** the image through the microscope moves \_\_\_\_\_\_\_\_\_\_

b) **UP,** the image moves \_\_\_\_\_\_\_\_\_\_

c) **LEFT,** the image moves \_\_\_\_\_\_\_\_\_\_\_

d) **RIGHT,** the image moves \_\_\_\_\_\_\_\_\_\_\_

5. Centre the letter in the field of view, at low power.

Change to MEDIUM power.

Centre the letter again.

DRAW the letter, **exactly** as you see it.

 MEDIUM POWER

6. Change to HIGH power.

DRAW the letter, **exactly** as you see it.

HIGH POWER

7. Rinse off your slide and coverslip. Dry them and put them away properly to use for next time.