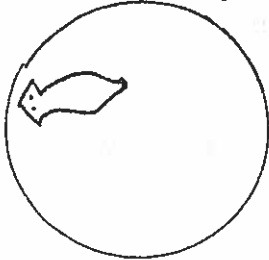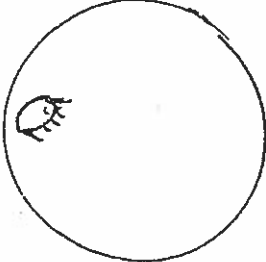| Biology 11 | Microscope Problems | Name: |

1. 3 centimetres = _____ millimetres = _____ micrometres

2. _____ micrometres = 500 millimetres = _____ centimetres

3. The following organism is seen under low power, what is its real size in micrometres?

4. The following cell is seen under high power, what is its real size in micrometres?

5. An organism takes up 2/3 of the medium power field of view. What is its real size in micrometres?

6. A plant cell's real size is 800 micrometres. What fraction of the field of view under medium power would it occupy?

7. A one celled organism called a paramecium has a real size of 200 micrometres. What fraction of the field of view under low power would it occupy?

8. An organism moves across the medium power field of view. It takes 50 minutes for it to complete its journey across. How fast is it moving? (Hint: answer should be in micrometres per minute.)