Complete the following sentences by filling in the missing words.

1. When focusing a specimen, you should always start with the ________________ objective.

2. When using the high power objective, only the ________________ knob should be used.

3. The objective lenses are attached to what part of the microscope (it can be rotated to click the lenses into place)? ________________

4. The ________________ should be adjusted to increase the amount of light reaching the specimen.

5. Calculate the powers of magnification for each objective lens.

<table>
<thead>
<tr>
<th>Band Color</th>
<th>Ocular Lens Power</th>
<th>Objective Lens Power</th>
<th>Total Magnification</th>
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6. Why can’t you use the largest power objective for some slides? ________________

7. Prepare a wet mount slide. Chose one slide and draw what you see at the three different powers of magnification. Label each drawing.

   Name of specimen: ________________

   [Diagram of three circles with X marks]

8. Give a brief description of what you saw as you increased the magnification.

   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________
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