**Monocots vs Dicots Lab**

**PART ONE:** *Is a peanut a monocot or a dicot? Dissect the peanut seed and observe the cotyledons.*

<table>
<thead>
<tr>
<th>Diagram of Seed:</th>
<th>Circle one:</th>
<th>Explain your evidence:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MONOCOT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DICOT</td>
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</tbody>
</table>

**PART TWO:** *Are the flower specimens monocots or dicots? Observe the different specimens of flowers and fill in the information below.*

<table>
<thead>
<tr>
<th>Diagram of Flower A:</th>
<th>Circle one:</th>
<th>Explain your evidence:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>MONOCOT</td>
<td></td>
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<td></td>
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<table>
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<tr>
<th>Diagram of Flower B:</th>
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<tbody>
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<tr>
<th>Diagram of Flower C:</th>
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<th>Explain your evidence:</th>
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<tr>
<td></td>
<td>MONOCOT</td>
<td></td>
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</table>
PART THREE: Observe the cross-sections of the two angiosperm stems on the microscope slides. Which one is a monocot and which one is a dicot?

A. Draw the pattern of the vascular tissue of both stem specimens directly into the two circles in the diagram of the microscope slide below.

B. LEFT Specimen:

1. Circle One: MONOCOT/ DICOT
2. Explain your evidence:

C. RIGHT Specimen:

1. Circle One: MONOCOT/ DICOT
2. Explain your evidence: