INDIVIDUAL MODEL EVALUATION

Model being evaluated_____

1. Write one complete sentence identifying the problem/question this model is attempting to explain.

2. Do the elements of this model seem to fit together well? Are there any elements in the model that do not seem to agree with other elements? List any such internal inconsistencies you can find.

3. Are there elements in the model that are untestable? In other words, are there elements for which you can not think of a way to design an experiment that would produce data to support or refute the element in question? List any such elements and tell why you think they are untestable. If there is a large number of these elements, limit your answer to the two you think are most important.

4. Are there any elements in the model that seem to be in disagreement with currently accepted facts? List any such elements and briefly say what fact each disagrees with.

5. List the one or two elements of the model that seem to make the most sense to you. Tell why they seem to be so sensible.

6. Do you think this model could be correct? Give the major reasons for your answer.
GROUP MODEL EVALUATION

1. Each member of the group will explain his/her assigned model to the other members of the group. Make sure each member of the group understands each of the models.

2. Give the major **Evidence-Supported** and **Not Evidence-Supported** elements of each model, as discussed by the team. “Evidence” means “empirical evidence.” If the tables below are not large enough, copy their layouts on separate sheets of paper.

<table>
<thead>
<tr>
<th>Evidence-Supported</th>
<th>Not Evidence-Supported</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MODEL A

MODEL B
3. Rank-order the models from “most likely to be correct” to “least likely to be correct”, according to group consensus.

   Most likely to be correct: ______
   ______
   ______
   ______

   Least likely to be correct: ______

4. Arrange the models in correct chronological sequence, from the most recent to most ancient:

   Most recent: ______
   ______
   ______
   ______

   Most ancient: ______