Bag It!

Procedure

1. **Collaborate** Work in a small group.

2. Put a plastic bag over one of the plant’s leaves. Take special care not to damage the leaf. Tie the bag closed with a twist tie. The whole leaf should fit inside the bag, and the twist tie should not be too tight. Water the plant and place it near a sunny window.

3. **Predict** What do you think you will find when you check the leaves after two days? Record your prediction.

<table>
<thead>
<tr>
<th>Plant Leaf</th>
<th>Prediction</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leaf in bag</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leaf not in bag</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. **Observe** After two days, observe the plant’s leaves and the plastic bag. Note any changes.

5. **Record Data** Record your observations in the chart.
Conclusion

1. **Analyze Data** Look at the observations you recorded. What do they tell you about plant leaves and water?

   ____________________________________________
   ____________________________________________

2. **Infer** What do you think happened to the water given off by the leaves that were not covered by the plastic bag? Where do you think the water came from?

   ____________________________________________
   ____________________________________________

Experiment

Repeat the activity using two identical plants. Put one plant in a sunny window and the other in a place that stays dark. **Observe** and **compare** the leaves after two days.

   ____________________________________________
   ____________________________________________
   ____________________________________________
   ____________________________________________
   ____________________________________________
   ____________________________________________