

Name _____ Date _____

Evaluate the Evidence: The Source of Most Matter in Plant Structures

Where does most of the matter in plants come from?

After your group reads and discusses each investigation description and its results, mark the table below to show if you found any connection between the investigation’s results and each answer. Think about how the evidence is connected to or would offer reasons for each answer. Could you answer the question AND give reasons for your answer using this evidence?

If the evidence supports an answer, write “yes.” Write “no” if the evidence does not support the answer, or write “maybe” if you feel unsure. When complete, there will be a written response in each box in the table.

| Answer | Investigation A <i>5-Year Experiment</i> | Investigation B <i>Hydroponics</i> | Investigation C <i>How Much Water?</i> | Investigation D <i>Extra Carbon Dioxide</i> |
|--|--|--|--|---|
| Most of the matter in plants comes from the soil. | | | | |
| Most of the matter in plants comes from the water. | | | | |
| Most of the matter in plants comes from the air. | | | | |