Name:_____ Date:_____ Period:_____

Complete the following definitions and questions to the best of your ability. This will help me get a better understanding of how much you know about this vocabulary.

Define each of the following terms:

Hypothesis:

Independent Variable:

Dependent Variable:

Control:

Constant:

Bias:

Scenario: In environmental science class students wanted to determine the optimal amount of fertilizer for grass to grow. They set up of five square containers that were the same size and they put 10kg of soil in each one. They placed the containers in a location that would allow them to get the same amount of sunlight. They gave them all the same amount of water each day. For container A they did not add fertilizer. All other containers received fertilizers in the following amounts: Container B (recommended .1g), Container C (.15g), Container D (.2g), Container E (.3g). Students recorded their results for 3 weeks.

Identify the Dependent Variable: _____

Identify the Independent Variable: _____

Control Group: _____

Constants:

Write a possible hypothesis for this scenario:

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