**Experimental Design Diagram**

Title: The Effect of Different Aged Compost on Bean Plant Growth

Hypothesis: If older compost is applied, then plant growth will be increased.

Independent Variable: Age of Compost

|  |  |  |
| --- | --- | --- |
| 3 month-old compost | 6 month-old compost | No compost (control) |
| 25 Plants | 25 Plants | 25 Plants |

Dependent Variable: Height of plants (cm)

Constants: Amount of light

Amount of water

Amount of compost

**Notes**

* The design is based upon a rectangle.
* Independent Variable: written across top of rectangle that is divided into labeled columns to represent different levels of the independent variable.
* Number of trials is indicated in each column.
* Dependent variable and constants are also included in the rectangle.
* An appropriate experimental title and hypothesis are written above experimental design diagram.