**Procedures**

* Select a vegetable- or fruit-producing plant that can be grown in a controlled environment (in general, the larger the plant, such as an apple tree, the longer it will require before data can be collected and the less control one will have over the experiment).  
  - For our experiment, we chose radishes.
* Select various types of soils to grow the plant of choice in.  
  - We utilized Scott's, Bandini, and Uni-Grow soils, each of which were also combined with peat moss in separate pots.
* Sow equal numbers of the plant (to ensure equal sample sizes) in pots (in order to control as many environmental factors as possible). Water all plants equally and expose them to like amounts of sunlight (keeping some plants under artificial light may result in a deviation from the natural environment).  
  - In our experiment, thirteen radishes were planted in each soil type, each given uniform amounts of water   and sunlight
* Harvest the plants when mature. Due to the conditions ofthe various soils, the plants may mature at different times.
* After plants have been gathered from each soil type, arrange for a group of volunteers to sample plants from the different soils. Subjects should rinse their palates between each test in order to reduce the risk of error.  
  - Each radish was partitioned into fourths and each subject compared the taste of one soil type to another.

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