You will explore the soil types in your neighborhood, yard, or at a near-by park. Choose three different location or varying types (one under lots of trees, one with bare soil, one with grass, one in a flower bed, one on a baseball field, etc). Make a soil core and describe your findings using the table below.

# Materials:

* Metal can with BOTH the bottom and top lid removed
* A rubber mallet (use a hammer or ballpeen hammer if not mallet is available)

# Instructions:

1. Choose three different location or varying types (one under lots of trees, one with bare soil, one with grass, one in a flower bed, one on a baseball field, etc)
   1. Try to make then as far apart as possible
2. Place the can, open end down, on top of the area where you wish to take a sample
3. Using your mallet, LIGHTLY tap the top edges of the can until about half the can is in the soil
4. Using your hand, pull the can out of the soil
5. Examine the soil sample in the can, as well as the hole left in the group
6. Complete the table below

# HINTS:

* Be as descriptive as possible – use words to describe the color, smell, touch, etc
* Soil rub – take a pinch of soil in between your thumb and pointer finger. Rub the pinch of soil directly on the paper until the color appears.
* FBI – Fungus, bacteria, invertebrates – what are there? What do they look like?
* Soil type – based on feel – sand, soil, clay – refer to your soil triangle

| **Location** | **Soil Type(s)** | **Describe Organic Matter** | **Soil Rub** | **Describe any FBI seen** | **Any other Observations** |
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