

Names: \_\_\_\_\_ Date: \_\_\_\_\_

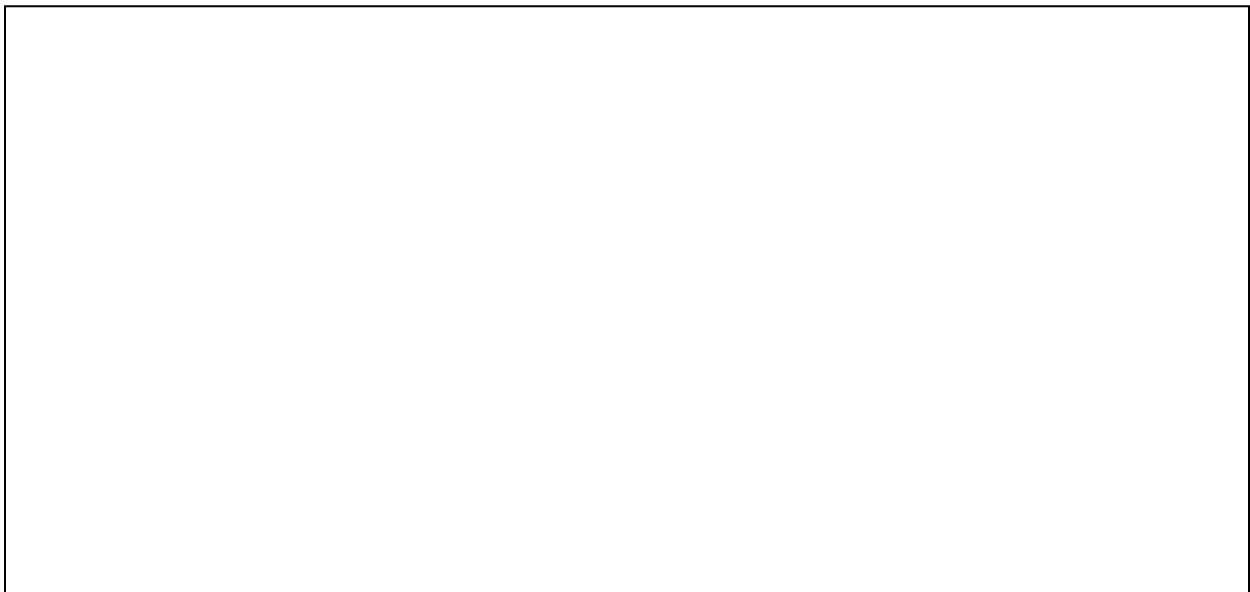
## Soil Core Worksheet

### **Part 1: Design of soil core sampling device**

Problem: Define the problem that you are trying to solve with your design.

Materials: List the materials that you need for your design.

Design: Draw a sketch of your design here. Remember to label materials and measurements of materials that you are using.



Performance standards: Describe how will you evaluate your design? (function, safety, size, etc.)

**Part 2: Soil core analysis**

Now that you have taken a soil core sample, fill out the following *borehole log* with your observations.

Borehole Log				
Soil core time:				
Date completed:				
Studied by:				
Log of Well				
DEPTH (Measure depth of layer from top)	GRAPH (Draw layers here)	Fraction of sample (Calculate %)	COLOR Description	GRAIN DESCRIPTION

