



**SITE SAMPLE STUDY**  
**STUDENT REPORT**

**STREAMS**



**OR**



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## Site Sample Study Journal: Expectations and Instructions



OR



Group #	Group Student Names	Role

**Date:** \_\_\_\_\_

**Stream:** \_\_\_\_\_

Expectations: Conducting field research and subsequent experiments are key components to being an environmental toxicologist. Collecting site samples is an important initial step because it provides a visual validation of whether the site(s) are safe for further development or remediation. Awareness of your surroundings and practicing safe methods are also critical for a successful study.

You will complete a site sample study where you will acquire sample(s) for the lab experiment using one of the educational biotechnology kits. Your educator will select one of the two following options about acquiring samples:

Option A: Your educator will assign your group a site to acquire your sample(s) for the lab experiment.

OR

Option B: In a class discussion, your group will select a site to acquire sample(s) for the lab experiment with your educator's permission.

Instructions will be given to your group by the Educator prior to your trip on what needs to be collected, the quantity, location, method, and the process in acquiring as well as preparing the samples for the lab experiment.

Please read and note the following before first conducting the site sample study:

- 1) If there is no class field trip involved and only your group is conducting the site sample study (this will be discussed during your class), be sure that your group does not wander off on their own and complete your study during the daytime. Stay at the designated or chosen site to collect your samples, ensure you have the permission or authority from the local authorities if you are acquiring samples from a particular site, and have an adult or a professional accompany you on the trip.
- 2) Practice safety measures when operating at a site. Depending on where your group will be acquiring samples, there may be various precautions, risks, and/or procedures that your group will need to follow. Your educator will explain further what safety measures are necessary for your group.
- 3) Listen fully to your educator's instructions and make sure your group has all of the correct resources, handouts, and kits to successfully conduct the site sample study. Ask your educator if there are any questions, concerns, and/or issues before acquiring these samples. Make sure you know how to acquire the samples and how to properly prepare them for your lab experiment. This step is crucial to have a successful lab experiment.
- 4) Make sure your group makes notes and provide background of where you are all going to collect these samples. Remember what your objectives are and how these samples will be used before conducting the lab experiment.

Instructions: Complete the Site Sample Study by completing the sections in the subsequent pages. You will submit this handout to your educator once the lab experiment is done.

**Important Notes:**

- Before conducting the site sample study, ensure you ask your educator for the titles of the four columns that are blank before starting the site sample study (the chart in question is located in the bottom of page 4). These are dependent on the stream you are working on (either Soil or Water).
- Read and bring the 'Field Work Guidelines' with your group when acquiring the sample(s).



**Site Sample Study Journal:  
Purpose and Notes (Complete before going to the Site)**



**OR**



Explain the purpose of this Field Trip.	
As a group, what do you want to learn?	

Name of the Biotechnology Kit	
Samples required for the Lab (Number, Volume/Mass)	

Record any notes that your group feels will be useful for the field trip. The purpose of this exercise is to help organize your thoughts, ensure your group and you as an individual are ready for field work.



## Site Sample Study Journal: Data Chart and Observations (Complete at the Site)



OR



Group #	Group Student Names	Role

Date:	Weather:	Start Time:	
	Temperature:	Finish Time:	

Site Location:	
Overall Site Observations:	

**Site Samples Data Chart:** \_\_\_\_\_ (Write either Soil or Water)

Sample #					Photo (Y)	Notes



**Site Sample Study Journal:  
Site Photos (Take Photos at the Site)**



**OR**



Sample #	Photo and Notes

