

Factors That Affect Soil Overview



Name: _____ Date: _____

Air Temperature

QUESTION: What will the air temperature be at your field site?

What was your hypothesis?

Did the data you collected support your hypothesis? In what way?

Does the data you gathered seem right to you or is it not what you expected?

What variables might affect the data you gather through this test?

What could you do to make this test more accurate?

This worksheet supports the activities in the **Factors That Affect the Soil** section on
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Cloud Cover

QUESTION: What will the cloud cover be at your field site?

What was your hypothesis?

Did the data you collected support your hypothesis? In what way?

Does the data you gathered seem right to you or is it not what you expected?

What variables might affect the data you gather through this test?

What could you do to make this test more accurate?

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Food Source Habitat

QUESTION: Which soil habitats are best for the critters you researched (earthworms, wolf spiders, cicadas, and a fourth critter of your choosing)?

What was your hypothesis?

Aside from earthworms, wolf spiders, and cicadas, what additional critter did you research?

Did the information you researched support your hypothesis? In what way?

Does the information you gathered seem right to you or is it not what you expected?

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Ground Cover

QUESTION: What soil habitats are in your field site? What percent of your field site has good quality food sources?

What was your hypothesis?

Did the data you mapped and interpreted support your hypothesis? In what way?

Does the data you mapped and interpreted seem right to you or is it not what you expected?

What variables might affect the data you gather through this activity?

What could you do to make this activity more accurate?

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The Big Picture

What is your research question?

How does the data you collected here help you answer that research question?

Look at this data and the data you collected in the **Soil Properties** activities. What conclusions can you make from this data? What do these conclusions tell you about your research question?

Look at this data and the data you collected in the **Soil Biodiversity** activities. What conclusions can you make from this data? What do these conclusions tell you about your research question?

Looking at all the data you have collected so far, what is the most interesting or surprising thing you have noticed?

List any additional questions you have after doing these activities that you might want to investigate later.

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