Use this sheet as your data collection sheet while you are analyzing soil. You will need this data to analyze your samples and to provide your portion of the evidence for the trial. Remember, you will be an expert witness, so you will need the data to support you!

|  |  |  |  |
| --- | --- | --- | --- |
| **Sample** | **Observations** | **pH** | **Conductivity** |
| Suspect A |  |  |  |
| Suspect B |  |  |  |
| Suspect C |  |  |  |
| Suspect D |  |  |  |
| Suspect E |  |  |  |
| Unknown |  |  |  |

In the space provided below, construct your own pH scale. Use the values you get from the tests of the substances. Make sure to label the graph with numbers!

|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|

Were the observations alone enough to figure out which suspect the unknown matched? How do you know?

Were the observations useful in determining where the soil came from? Explain.

What evidence did you collect during the study?

Based on the evidence, which suspect/suspects does the unknown soil match? How do you know?