SOIL ANALYSIS LAB REPORT

Now that you have completed your soil quality assessment lab, you need to write up a summary of your soil sample. Your report should be typed and split up into these sections. Please use the sub-headings to visually separate your report.

**Background Information (5 points)**
A detailed description of the natural resource we call soil. Address these main questions:
• What is soil?
• What are the functions of soil?
• What is soil quality and how can it be measured?

**General Observations (4 points)**
Provide a complete description of the soil sample **collection site**.
Provide detailed observations of your actual **soil sample**, including:
• General observations
• Biotic components
• Abiotic components

**Results & Discussion (28 points)**
For each test below, **address each requirement listed** and include **data tables** to organize the results. Use the soil packets I have given you (along with any other outside sources) to completely explain the results of your soil testing. The more detail the better.

**Soil texture**
• Why is this test important?
• State the test results.
• What does this test result tell us about our soil?
• How does soil texture relate to other soil properties?

**Soil moisture**
• Why is this test important?
• State the test results.
• What does this test result tell us about our soil?
• Discuss possible ways to improve soil moisture.

**Soil porosity**
• Why is this test important?
• State the test results.
• What does this test result tell us about our soil?
• Compare the soil porosity/permeability of clay, silt, and sand.

**Soil fertility**
• Why is this test important?
• State the test results.
• What does this test result tell us about our soil?
• Describe some methods to increase soil fertility.

**Bibliography (3 points)**
Cite the sources you used (including the ones I gave you) for writing the **Background Information** and **Discussion of the Results** sections.