Assessment Rubric for Unit 5

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| **Criteria** | **0** | **1 (Poor)** | **2 (Acceptable)** | **3 (Good)** | Score |
| **Prediction of direction of groundwater flow and application to recommendations for soil samples (#1 and #3)** | None | Direction of groundwater flow is correctly predicted but not explained well. Soil sample recommendations do not include groundwater flow in reasoning. | Direction of groundwater flow is correctly predicted and justified based on water table levels. Groundwater flow is not included in the reasoning for soil sample recommendations. | Direction of groundwater flow is correctly predicted and justified based on water table levels. Groundwater flow is included in the reasoning for soil sample recommendations. |  |
| **Soil permeability as a measure to predict potential for contamination** | None | Students describe soil permeability but do not correctly apply it to predict the potential for groundwater contamination. | Students explain the connection between soil permeability and the potential for groundwater contamination. They predict the potential for groundwater contamination in this case. | Students explain the connection between soil permeability and the potential for groundwater contamination. Students predict the potential for groundwater contamination and also identify that the impermeable, clay level is below the water table in this case. |  |
| **Language** | None, incomprehensible | Language errors are a major obstacle for comprehending the student’s writing OR language production is minimal | Student is able to communicate ideas with some errors and language gaps. | Student is able to express ideas clearly and/or with detail using specialized vocabulary from the unit. Writing shows few errors. |  |