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| **Student Handout****Porosity and Permeability Data Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type of Material | Volume of Water (mL) in beaker\* | Volume of Material (mL) | % of Pore Space\*\* | Permeability Time |
| Sand |  | 350 mL |  |  |
| Small gravel |  | 350 mL |  |  |
| Large gravel |  | 350 mL |  |  |
| Clay |  | 350 mL |  |  |

\*100 mL – amount remaining in graduated cylinder = Volume of water in beaker\*\*Volume of water (mL) poured into beaker x 100 = % of Pore Space Volume of material (mL) in beaker1. List materials in order of least porosity to greatest porosity.2. Were any materials porous, but not permeable? Explain.3. Performance Assessment: Create a pie graph using computer or iPad comparing the percentage of pore space for each material and a line graph comparing the permeability rate for each material. |