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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 beaker  1. 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. |