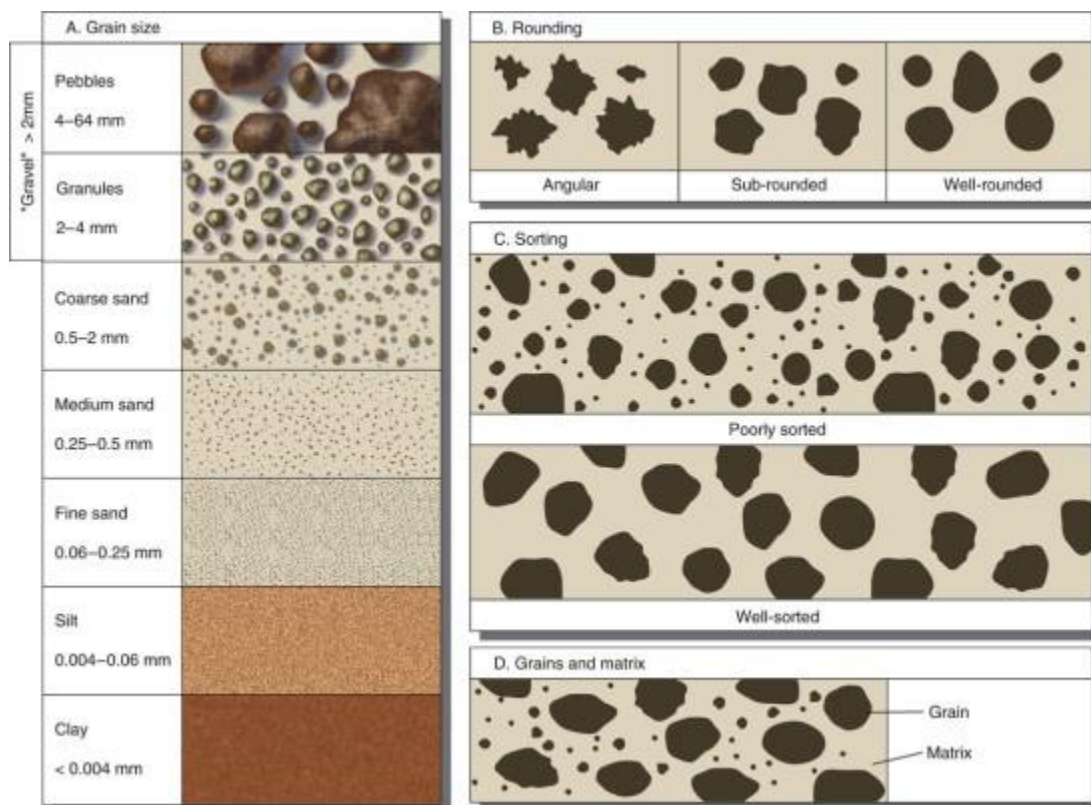


Sediment Sorting Detective

Activity Overview

This hands-on activity introduces students to sediment sorting by comparing till (mixed sediment deposited directly by ice) and outwash (sorted material deposited by meltwater).



Materials Needed

- Small cups or bags of mixed sediment (representing till)
- Small cups of sorted sand/gravel (representing outwash)
- Magnifying glasses
- Observation worksheets

Step-by-Step Instructions

1. Distribute sediment samples to small groups.

2. Students examine samples, noting grain size, sorting, and texture.
3. Students classify each sample as 'till' or 'outwash'.
4. Facilitate a short discussion on why moving water sorts materials while glaciers mix them.

Teacher Notes

- Till is unsorted and contains a wide range of grain sizes.
- Outwash is well-sorted due to water flow energy.
- Encourage students to observe closely rather than guess.