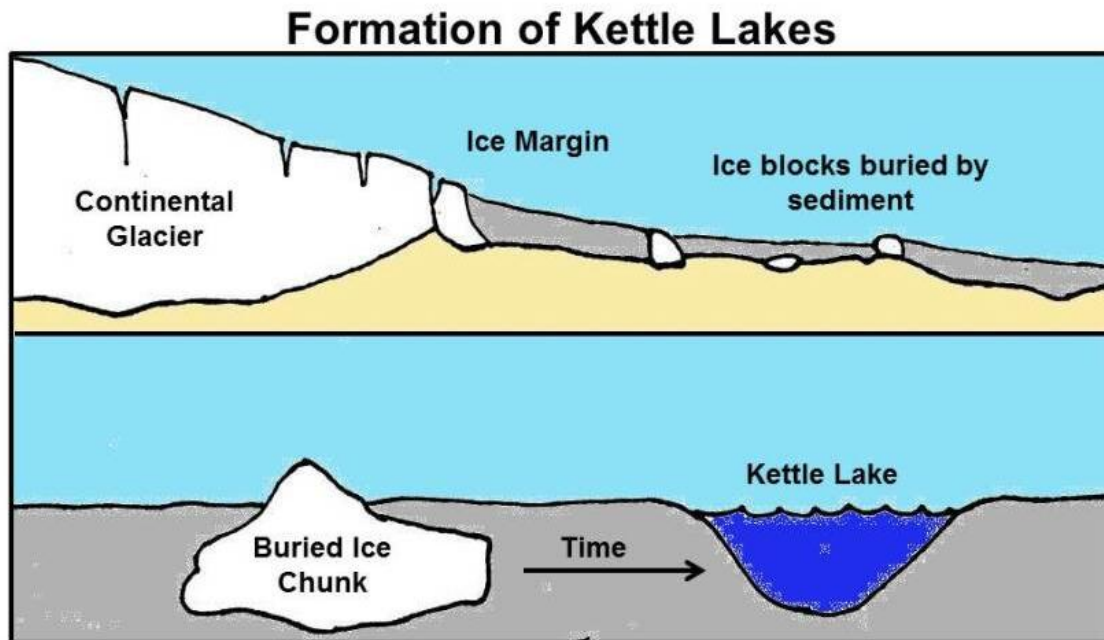


Kettle Cross-Section Sketch Activity

Activity Overview

In this activity, students develop a clear visual understanding of kettle formation. They draw a cross-section illustrating buried ice, overlying sediment, melting, and final collapse into a steep-sided kettle.



Materials Needed

- Paper or field notebooks
- Pencils or colored pencils
- Optional: sample diagrams of kettle cross-sections

Step-by-Step Instructions

1. Take students to a safe location near a kettle depression.
2. Explain that kettles form when buried ice melts and sediment collapses.
3. Students draw a cross-section with labeled features: buried ice, sediment, collapse direction.

4. Students add arrows showing downward collapse.
5. Discuss why kettles often have steep sides and why some hold water.

Teacher Notes

- [Kettles form in both outwash and till landscapes.](#)
- Steepness depends on sediment type and ice block geometry.
- Encourage students to compare multiple kettles in the area.