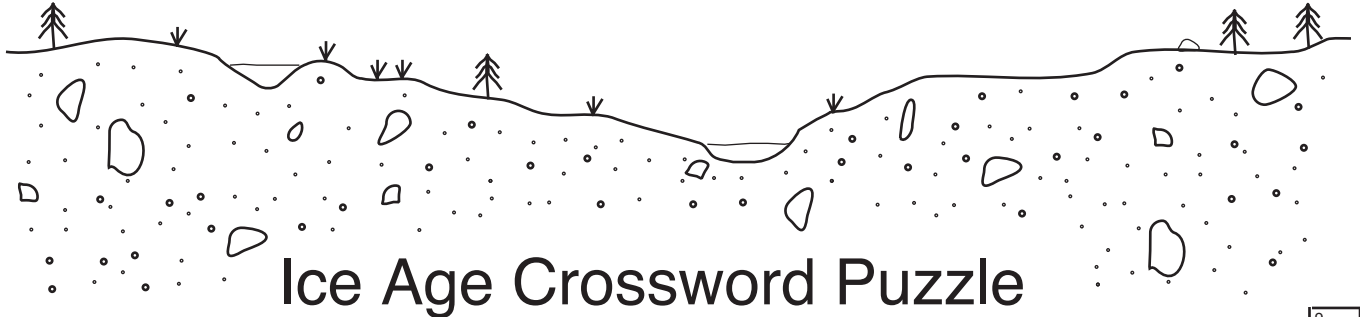


# UNIVERSITY OF MINNESOTA

Minnesota Geological Survey

## Minnesota at a Glance

### Student Worksheet



## Ice Age Crossword Puzzle

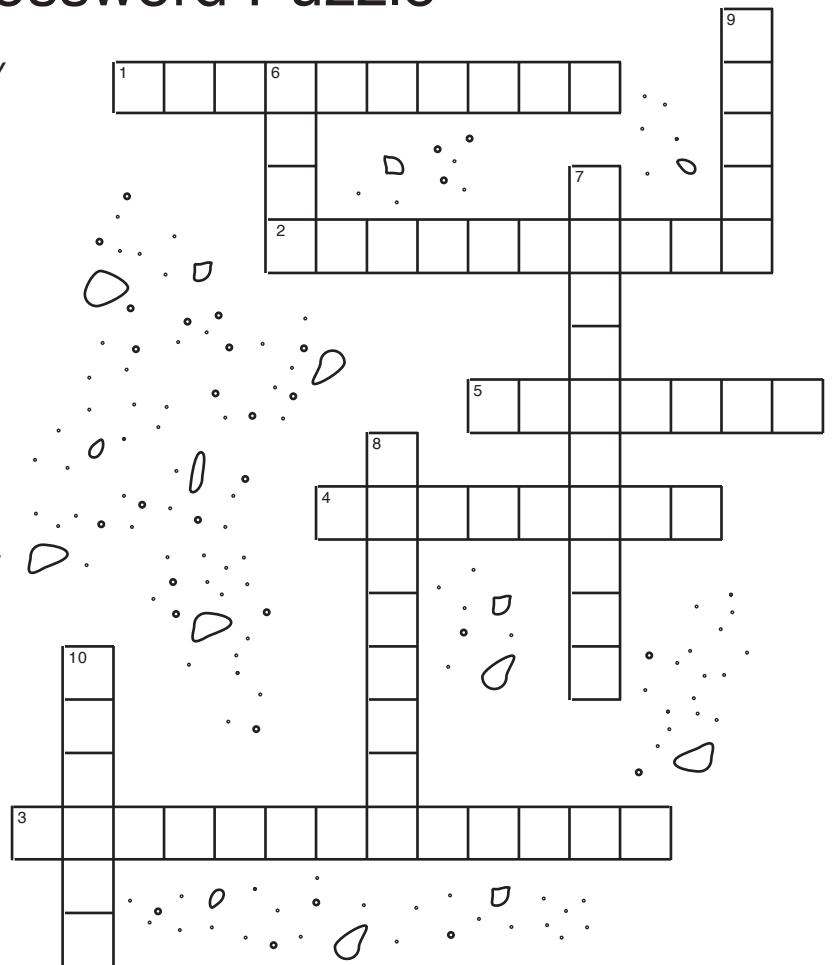
Use the *Minnesota at a Glance: Quaternary Glacial Geology* to find the answers:

Across:

1. Time period beginning 2 million years ago.
2. Ice sheet that covered most of North America during the last Ice Age.
3. Part of southeastern Minnesota that wasn't covered by ice during the last Ice Age.
4. Boulders transported from their original source area.
5. Large glacial lake that covered northwestern Minnesota.

Down:

6. Unsorted mix of sand, gravel, and clay deposited by ice.
7. Scratches on the surface of a rock.
8. Streamlined hills of glacial sediment.
9. Des Moines lobe till contains pieces of this type of rock.
10. River that once flowed in the present Minnesota River valley.



Color in the map to show where these major rock types are found.  
See *Minnesota at a Glance: Common Minnesota Rocks* for information.

# ROCKS IN MINNESOTA

## Igneous Rocks

- Volcanic rocks, mostly basalt.
- Intrusive rocks, mostly gabbro and anorthosite.
- Volcanic rocks and greenstone.
- Granite.

## Metamorphic Rocks

- Gneiss and other metamorphic rocks.
- Schist and iron formation.
- Schist.
- Quartzite.

## Sedimentary Rocks

- Mudstone, siltstone, and sandstone.
- Limestone and dolostone.
- Sandstone and shale.
- Graywacke.
- Iron formation.

