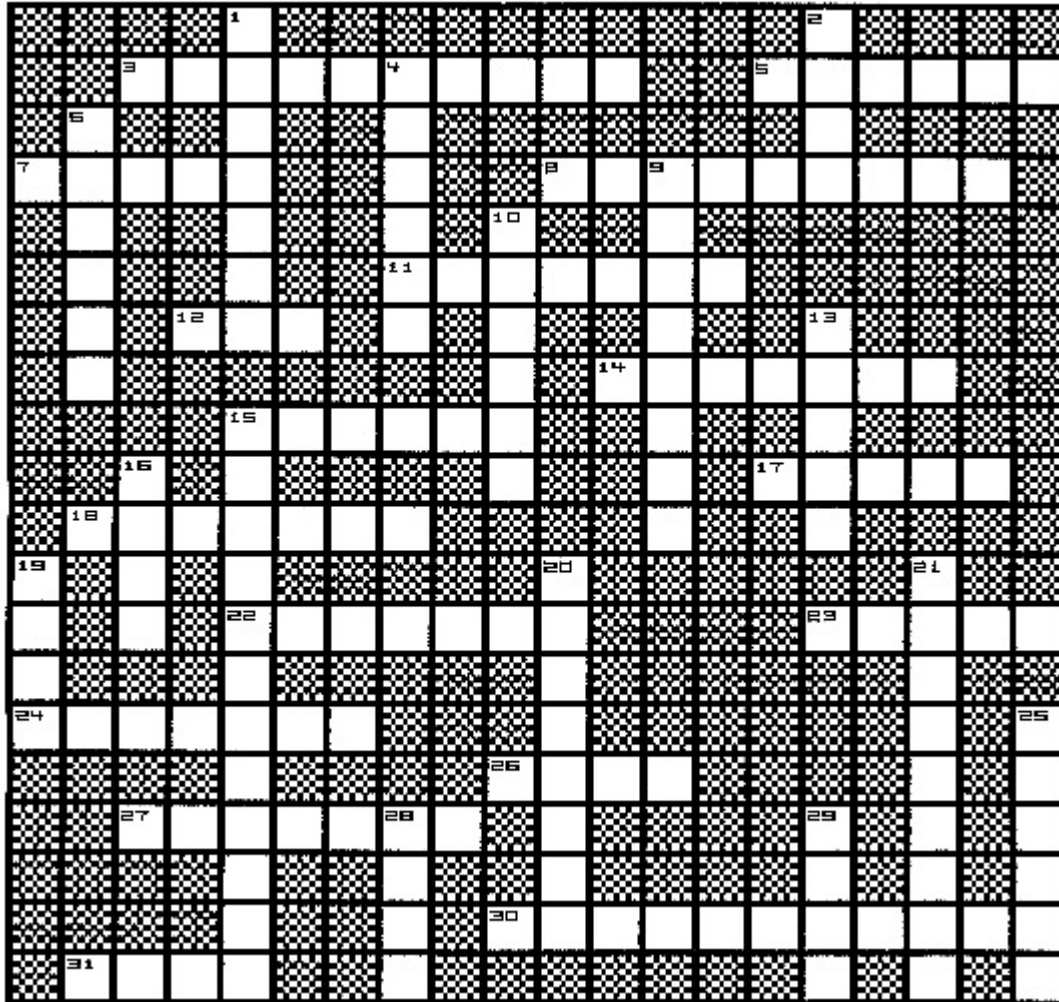


# GLACIERS.4

Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

## EAS-100-51: EARTH SCIENCE HOMEWORK No. 4



**ACROSS CLUES**

- 3. Scratches or grooves in a bedrock surface, caused by the grinding action of a glacier and sediments.
- 5. An amphitheater shaped basin at the head of a glaciated valley, made by frost wedging/plucking.
- 7. A fan shaped accumulation of sediment caused by the slowing down of a river at a lake or sea.
- 8. Finely textured glacial sediment produced by the grinding action of a glacier (2 words).
- 11. A thick, flowing mass of ice made from compacted, recrystallized snow that originated on land.
- 12. Main component of a glacier, which behaves as a flowing liquid when overlying weight is great.
- 14. Type of stream valley which appears cut-off by the moving glacial ice sheet.
- 15. Type of glacier confined to a mountain valley, which in most cases was once a stream valley.
- 17. General term for any type of glacial deposit.
- 18. Descriptive term which attributes the action of a large, flowing ice sheet.
- 22. Ridges of glacial sediment left behind when the ice sheet melts.
- 23. Fine-grained silt of glacial origin, made by wind erosion.
- 24. A streamlined, asymmetrical hill composed of glacial till.
- 26. Recrystallized snow, found in a glacier.
- 27. Erosional feature caused by the seasonal melting of a glacier at the margin of the ice sheet.
- 30. The epoch of geologic history which encompasses the last 4 ice ages.
- 31. A pyramid-like peak formed by the glacial action of 3 or more cirques surrounding a mountain top.

**DOWN CLUES**

- 1. An "oddball" boulder that is not derived from the local bedrock, transported by glaciers.
- 2. A poorly-sorted glacial deposit.
- 4. A type of glacial mountain valley that has been widened, deepened, and straightened by the glacier.
- 6. Type of glacial erosional feature which are holes made by lodged ice chunks that later melted.
- 9. A deep crack in the brittle surface of a glacier.
- 10. Another name for alpine glacier.
- 13. A steep-sided inlet of the sea, formed when a glacial trough was partially submerged.
- 15. The zone of the glacier where more snow falls than melts, and thereby causes glacial flow.
- 16. Fine-grained sediment found in abundance in glacial deposits.
- 19. Sediment that has a diameter from 2 to 1/16 millimeters, found in abundance in glacial deposits.
- 20. The type of end moraine that marks the furthest advance of the glacier.
- 21. Glacial ice that undergoes seasonal warming becomes - - - - -.
- 25. Coarse-grained sediment commonly found in glacial deposits.
- 28. The basic ingredient of a glacier.
- 29. The slow movement of a glacier, caused by gravity.

Copyright © 1989 by William K. Tong