

Name: _____

Date: _____ Period: _____

Midterm Review

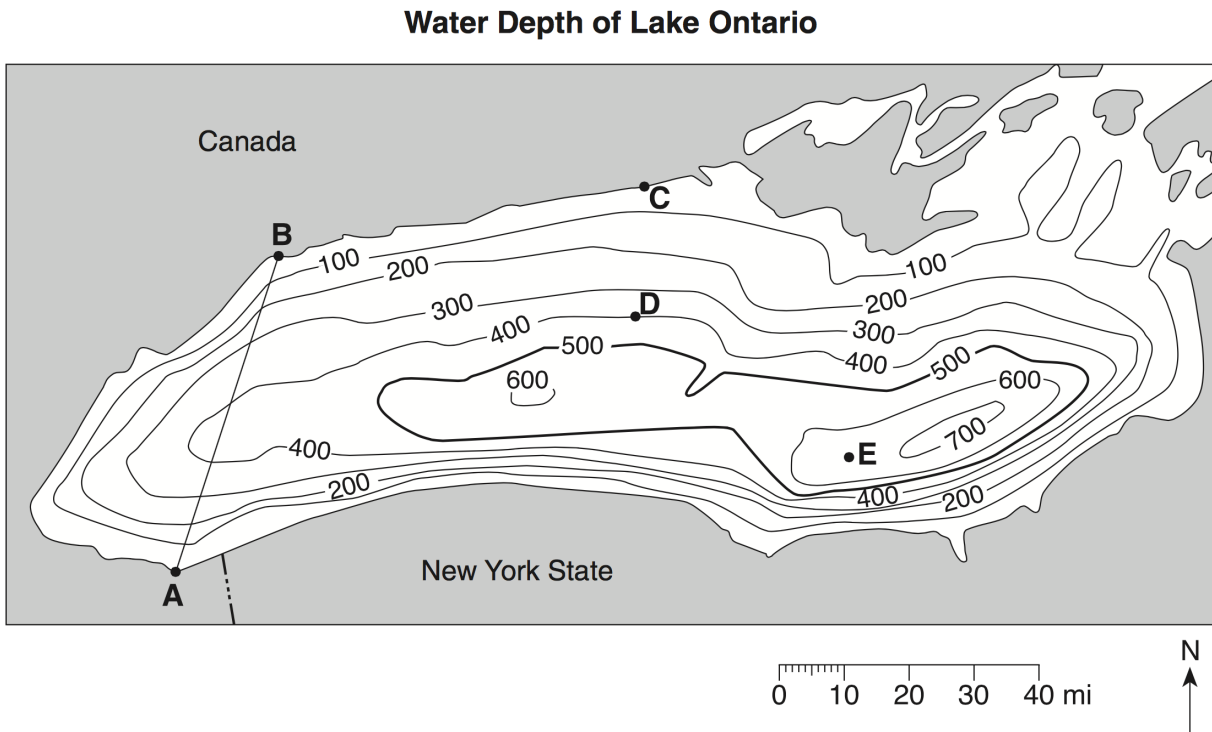
The Physical Setting: Earth Science

Midterm Review: Mapping the Earth

- Which New York State city is located at $42^{\circ}39' N$ $73^{\circ}45' W$?
 - Buffalo
 - Albany
 - Ithaca
 - Plattsburgh
- To a nighttime observer on Earth, how many degrees do the stars appear to move around Polaris in 3 hours?
 - 60°
 - 45°
 - 3°
 - 15°
- The longest portion of the Genesee River in New York State flows through which landscape region?
 - Erie-Ontario Lowlands
 - Tug Hill Plateau
 - Allegheny Plateau
 - St. Lawrence Lowlands
- A plane traveling in a straight line from Watertown to Utica would fly over which landscape region?
 - Tug Hill Plateau
 - Adirondack Mountains
 - St. Lawrence Lowlands
 - Champlain Lowlands
- Which two locations are found in the same major geographic landscape province?
 - Albany and Old Forge
 - Elmira and Riverhead
 - Jamestown and Slide Mountain
 - Massena and Mount Marcy
- What is the approximate altitude of Polaris at Syracuse, New York?
 - 43°
 - 76°
 - 47°
 - 90°
- If an observer on Earth views Polaris on the horizon, the observer is located at the
 - equator (0°)
 - North Pole ($90^{\circ} N$)
 - Tropic of Cancer ($23.5^{\circ} N$)
 - Tropic of Capricorn ($23.5^{\circ} S$)
- In New York State, both the Delaware River and the Susquehanna River flow over landscapes classified as
 - mountain regions
 - coastal plains
 - lowlands
 - plateaus

Midterm Review: Mapping the Earth

Base your answers to questions 9 through 12 on the field map below and on your knowledge of Earth science. The map shows the depth of Lake Ontario. Isoline values indicate water depth, in feet. Points A, B, and C represent locations on the shoreline of Lake Ontario. Points D and E represent locations on the bottom of the lake.



9. Calculate the gradient of the lake bottom between point C and point D. Label your answer with the correct units.
 - a. 10 ft/mi
 - b. 15 ft/mi
 - c. 20 ft/mi
 - d. 25 ft/mi

10. What is a possible depth of the water at location E?
 - a. 600 feet
 - b. 650 feet
 - c. 700 feet
 - d. 725 feet

11. What evidence shows that the southern section of the bottom of Lake Ontario has the steepest slope?
 - a. The contour lines are spaced far apart.
 - b. The contour lines are spaced close together.
 - c. The contour lines range from 400 feet to sea level.
 - d. The southern section is along the Erie-Ontario Lowlands.

12. What is the maximum water depth in Lake Ontario?
 - a. 701 feet
 - b. 750 feet
 - c. 799 feet
 - d. 801 feet