

**HUNTER COLLEGE OF THE CITY UNIVERSITY OF NEW YORK  
DEPARTMENT OF GEOGRAPHY**

**GEOG 260 - GEOGRAPHY OF NEW YORK STATE  
EXAM 1 STUDY GUIDE- for Thursday, October 25, 2012**

**Review:**

Class notes  
Electronic Handouts  
Electronic Maps  
Exercises 1-10; especially the required exercises.

**Readings:**

As listed on the syllabus and repeated on page 3  
For *Geology of New York*: look over the chapter summaries at the beginning and the review questions at end of chapters  
Internet readings site – see R on the Course Home Page

**Exam Format:**

There will be a combination of

- **multiple choice questions**, some aimed at maps or diagrams;
- **three short written responses to major topics** (from a choice of 6) covered in class where you will describe the formation of a landform feature or the role of geologic events or the importance to people of an aspect of the state's physical geography
- **one longer essay** in which you will provide a comparative physical geography of your three counties using the information gleaned from the take-home exercises: location, geologic setting, mining, climate characteristics, and water resources.

**Place Name List for map questions:**

Adirondacks Allegheny Plateau Allegheny River Atlantic Coastal Plain Appalachian Uplands Atlantic Ocean Black River Canada Catskills Chautauqua Lake Connecticut Delaware River
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Erie-Ontario Low- land Genesee River Hudson River Lake Cayuga Lake Champlain Lake Erie Lake George Lake Keuka Lake Oneida Lake Ontario Lake Seneca Long Island Long Island Sound
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Lower New York Bay Manhattan Island Massachusetts Mohawk River New England Uplands New Jersey Niagara River Ontario Province Oswego River Pennsylvania Quebec Province Richelieu River
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St. Lawrence River Staten Island Susquehanna River The Finger Lakes Thousand Islands Tonawanda Creek Triassic (Newark) Lowlands Tug Hill Plateau Upper New York Bay Vermont Wallkill River
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## Definitions and terminology:

acid precipitation  
alluvial plain  
aquifer  
arête  
barrier island  
basin  
bedrock  
bedrock geology  
Canadian Shield  
cap rock  
Catskill Delta  
Cirque  
coastal zone  
cone of depression  
confining layer  
continental glacier  
continental ice sheet  
drainage basin  
drumlin  
dune  
erratic  
escarpment (scarp)  
esker  
estuary  
fault  
fjord  
floodplain  
Frontenac Arch

geologic map  
geologic province  
glacial drift  
glacial lake  
glaciation  
glacier  
groundwater  
hanging valley  
headwaters  
hydrogeology  
hydrology  
Ice Age  
ice front  
igneous rock  
inland sea  
interglacial period  
kame  
kettle  
kettle lake  
lake-effect snow  
lobe  
melt water  
metamorphic rock  
mineral resources  
moraine  
mountain glacier  
ore body  
outwash

paleogeography  
physiographic province (region)  
rain shadow  
recessional moraine  
rock record  
runoff  
sedimentary rock  
sill  
soil  
soil profile  
surface water  
surficial deposits  
surficial geology  
terminal moraine  
till  
topography  
U-shaped valley  
V-shaped valley  
waterfront  
-public waterfront  
-developed waterfront  
-working waterfront  
-natural waterfront  
water gap  
water table  
wind farming  
Wisconsin Stage

## **GEOGRAPHY OF NEW YORK STATE**

### **Textbook Readings –FALL 2012**

#### **I. REQUIRED:**

**A. *Geology of New York – a Simplified Account, 2nd edition.*** *NOTE: There is a glossary at the end of the book.*

**For the midterm:**

Chapter 1 Introduction, pp. 3-4  
Chapter 2 Geologic Time, pp. 5 and 8  
Chapter 3 Plate Tectonic History, p. 11 Summary  
Chapter 4 Adirondacks, pp. 23-25, 28-29 (mid), 37-38, 42  
Chapter 5 Hudson Highlands and Manhattan Prong, pp. 45-51  
Chapter 6 Hudson Lowlands and Taconics, p. 53-54 top Summary & Description  
Chapter 7 Northern Lowlands and the Tug Hill Plateau, p. 67-68 Summary  
Chapter 8 Allegheny Plateau, pp. 101-104 top; plants and animals, 126-129  
Chapter 9 Newark Lowlands, pp.139-44  
Chapter 10, Coastal area, pp. 149-50.  
Chapter 11 Tertiary Period, p. 157 -159  
Chapter 12 Glaciation, pp. 161-81.  
Chapter 13 Glacial Features, pp. 185-193  
Chapter 14 Holocene Epoch - the present, p. 195-198  
Chapter 15 Mineral Resources, p. 201-222  
Chapter 16 Hydrogeology, pp. 225-30  
Chapter 17 Earthquakes, p. 231 Summary, 235-38

**B. *Moon Handbooks New York State, 5<sup>th</sup> or 4<sup>th</sup> edition:*** Read the following sections plus the special topic boxes. Note the state and regional maps throughout the book. **NOTE:** *See index for the pages dealing with your assigned counties and their regions.*

**For the midterm:**

Introduction and Overview  
Background Section (at the end of the book)  
Introductory paragraphs to the various geographic regions.

**C. *The Nature of New York: An Environmental History of the Empire State.***

**For the midterm:**

Introduction, pp. 1-13

#### **II. SUGGESTED READING:**

**Thompson, *Geography of New York State:*** The following pages are suggested. Thompson provides an historic perspective for siting and growth and development through the 1960s. Use the call number **F125.T5** when requesting this book.

**For the midterm:**

Introduction, pp. 1-15  
Landforms, pp. 19-52  
Climate, pp. 54-61, 63, 70, 72-78  
Water, pp. 79-81  
Vegetation, pp. 90-93  
Soils, pp. 104-106