INTRODUCTION:
Different landscapes result from the interaction of erosional forces and uplift forces upon various bedrock types and the bedrock types differ in their resistance under certain climatic conditions. New York State has an extremely diverse landscape with varying climatic conditions. The different rock structures and ages have helped shaped the way New York looks today.

OBJECTIVE:
Students will interpret New York State maps to see the influences of rock types and climatic conditions over the landscape. They will also be able to identify the different regions based on the changes in elevation throughout the state.

VOCABULARY:
Landscape -
Mountain -
Plateau -
Plains -
Lowlands -
Resistant -
Lab Activity: NYS Landscapes

PROCEDURE A:
1. Fill in the chart below with the type of landscape regions associated with the elevations.
2. On the map below, lightly color the high elevation, middle elevation, and low elevation using the following color key:

<table>
<thead>
<tr>
<th>Elevation</th>
<th>Color</th>
<th>Landscape Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>red</td>
<td></td>
</tr>
<tr>
<td>Middle</td>
<td>yellow</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>green</td>
<td></td>
</tr>
</tbody>
</table>

![Map of New York State with labels for various landscape regions]

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Lab Activity: NYS Landscapes

PROCEDURE B:

1. Find and color in blue the following bodies of water and rivers listed below:
   - □ Lake Champlain
   - □ Lake Ontario
   - □ Lake Erie
   - □ The Finger Lakes
   - □ Atlantic Ocean
   - □ The Long Island Sound

2. Find and color in blue the following bodies of water and rivers listed below:
   - □ Hudson River
   - □ Mohawk River
   - □ St. Lawrence River
   - □ Niagara River
   - □ Niagara River
   - □ Susquehanna River

Generalized Bedrock Geology of New York State
modified from
GEOLOGICAL SURVEY
NEW YORK STATE MUSEUM
1989

[Map of New York State showing various landscapes and geological features]
DISCUSSION QUESTIONS:

1. Which regions show evidence that crustal uplift was dominant over erosional forces?

2. In which landscape region is the most resistant bedrock found?

3. The Catskills are part of what New York State landscape region?

4. Where does the Hudson River originate?

5. What is the latitude and longitude of Watertown, New York?

6. What is the approximate straight line distance between Buffalo, New York and Elmira, New York?

7. The Genesee River drains into what body of water?

CONCLUSION: What factors led to the different landscape regions of New York State?