

Landscape Regions

Mountains

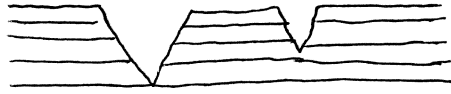
- gentle or steep slopes (depends on age/erosion)
- rock layers are faulted, folded or tilted



ex - Adirondacks

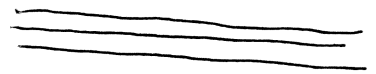
Plateaus

- 1 - high elevation
 - 2 - horizontal rock structure
 - 3 - flat
 - 4 - may be cut by rivers
- ex - Catskills



Plains

- 1 - low elevation
 - 2 - level surface
 - 3 - horizontal rock structure
- ex - Atlantic Coastal Plain (Long Island)



Reference Tables - Generalized Landscape Regions of NYS

Landscape Development

1 - Uplifting + Leveling

- | | |
|-------------------|------------|
| ↓ | ↓ |
| earthquakes | subsidence |
| folding | erosion |
| faulting | gravity |
| volcanic activity | |

2 - Climate

- | | |
|------------------|--------------|
| <u>ARID</u> | <u>HUMID</u> |
| ↓ | ↓ |
| steep slopes | smooth |
| angular features | rounded |

3 - Bedrock

- | | |
|----------------------|-----------------------------|
| <u>Softer Rocks</u> | <u>More Resistant Rocks</u> |
| ↓ | ↓ |
| erode faster (shale) | erode slower (sandstone) |

4 - Age

Young

- hills + mtns
- narrow V-shaped valleys

Mature

- low, rounded hills
- broad, flat valleys
- streams - meanders

Old

- pediplain - nearly flat surface due to erosion
- many meanders, wide flood plain

Stream Drainage Patterns

p. 222 Fig 5-59