

LANDSCAPES

11/18/02

DIRECTIONS: Please complete the chart and answer all questions using pages 2-3 of your Earth Science Reference Tables.

Landscape Region Name	Age of Bedrock	Bedrock Type (Sedimentary, Igneous, or Metamorphic- look at pages 6&7)	Bedrock Names	Highland, Plateau or Lowland
1. Manhattan Prong	Cambrian and Ordovician	Metamorphic	Quartzite, dolostone, marble, schist	Highland
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

1. How old are the oldest rocks in New York State? _____
Hint: Oldest Rocks are at the bottom of the bedrock map key; younger as you move up!
2. In what landscape region are they located? _____
3. In what landscape region do you live? _____
4. Where is the HEAD of the Hudson River located?

5. Where is the MOUTH of the Hudson River located?

6. Complete the following table using the Bedrock Geology of NYS map:

Location	Latitude	Longitude	Landscape Region
Niagara Falls			
Rochester			
Mt. Marcy			
Massena			
Ithaca			

7. Other than the Hudson, name two rivers that flow in NY:

8. Based on the landscape type (and therefore elevation), which direction is the Genesee River flowing? _____
9. The FINGER LAKES were created after glacial ice melted as it retreated and was contained in narrow valleys. These Lakes are dammed by natural sediment deposits located at the downhill end of the lakes. Which direction would you find these dam deposits?

10. Based on the Bedrock map, what rock TYPE (not name) is the most abundant in NY?
(Sedimentary, Igneous or Metamorphic)

11. Do you think that this is true for most of the world? Explain why or why not.