

Paleozoic Geology

Terminology and Definitions: Rodinia, Greenville Orogeny, Iapetus Ocean, Taconic Island Arc, forearc basin, accretionary wedge, volcanic island arc, foreland basin, Taconic Orogeny, Queenston Delta, Taconic Highlands, Avalonia, Acadian Orogeny, Catskill Clastic Wedge, Fold and Thrust Belt, terrane, Caledonides, Alleghanian or Appalachian Orogeny, Central Pangaeian Mountains, Pangaea

Dates:

When did the Taconic Orogeny take place

When did the Acadian Orogeny take place?

When did the Alleghanian Orogeny take place?

Review Questions:

Describe the processes and steps involved in the Taconic Orogeny

Describe and explain the processes and terranes involved in the Acadian and Alleghanian Orogenies

Be able to label this diagram with the following terms:

Africa (continent)

African Accretionary Wedge

Avalonian Accretionary Wedge (position only, it has eroded away in this diagram)

Avalonian Island Arc

Catskill Clastic Wedge

Early Paleozoic Limestone deposits on North America

Early Paleozoic Passive Margin Sediment of North America

Original North American Crust

Queenston Delta Sediments

Remains of rocks deformed during the Greenville Orogeny

Sediments deposited during the Alleghanian Orogeny

Taconic Foreland Basin

Taconic Island Arc

Taconic Island Arc Accretionary Wedge

