

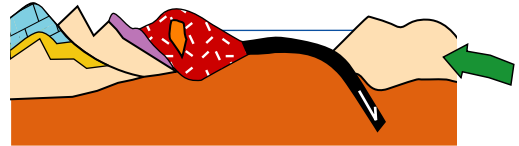
A Brief Tectonic History of Virginia

1999, C. M. Bailey, College of William & Mary

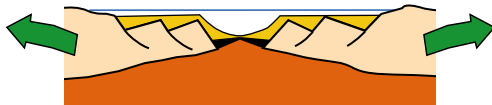
Grenvillian Mountain Building
(~1000 Ma)



Onset of Acadian Orogeny
(~450-300 Ma)



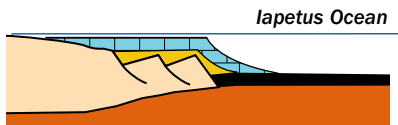
Iapetan Rifting
(~600 Ma)



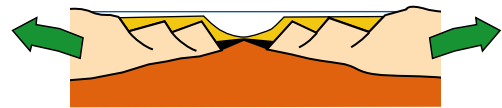
Final Assembly of Pangea
(~280 Ma)



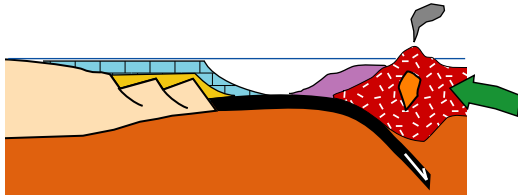
Passive Margin
(~500 Ma)



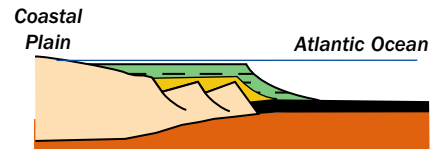
Atlantic Rifting
(200 Ma)



Onset of Taconic Orogeny
(~450 Ma)



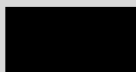
Modern Passive Margin
(the present)



Explanation



Continental Crust



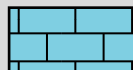
Ocean Crust



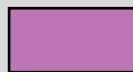
Mantle



Rift Sediment



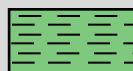
Carbonate Sediment



Accretionary Wedge Sediment



Volcanic-Plutonic Arc



Clastic Sediment