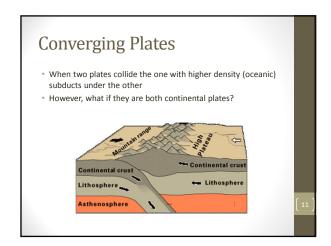
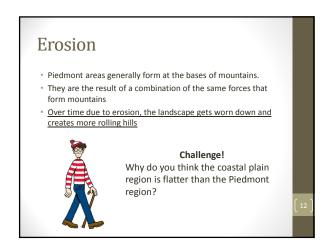
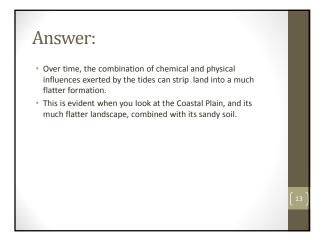


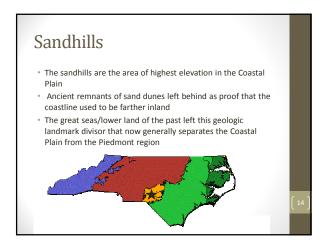
So what accounts for all these regions and their distinct features?

Converging Plates!

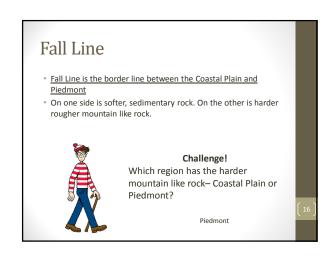


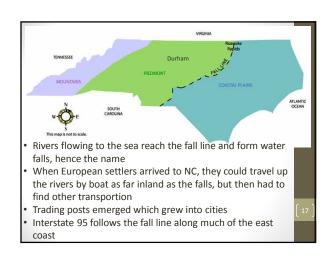


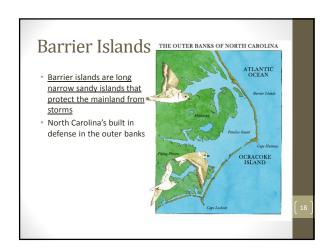












Geological Timeline : bya = billion years ago mya = million years ago

- 4.5 bya = Earth Formed
- 4000 mya = Stable crust with oceans formed
- 1700 mya = Land to form NC started to form
- 1300 mya = 1st mountains in NC formed, called Grenville Mountains. They eroded away
- 750 mya = North America and Europe/Africa start to move toward each other
- 344 mya = Appalachian Mts. form. Streams from mountains carry sand and sediment filling the sea

- 320 mya = North America & Europe/Africa collide, creating Pangea. This is the end of building the Appalachian Mountains. The Piedmont and Costal Plain regions move up.
- 250 mya = Pangea breaks apart, NC at this time is near the
- 200 mya = When the tectonics plates were moving the Coastal Plains sunk, causing the difference between the Piedmont and Coastal Region. The Appalachian Mts. start to erode creating the Piedmont.

- 65.5 mya = All of the Coastal Plains are above sea level
- 55.8 mya = The Coastal Plains start to sink again, the ocean comes up to where the modern Piedmont would be then recede again
- 33.9 mya = The ocean rises as far as modern day New Bern
- 23.0 mya = The ocean retreats completely from the modern day Coastal Plains
- 5.3 mya = The Blue Ridge Mts. and Piedmont look as they do today; shallow seas cover the Coastal Plains then recede.

- 1.8 mya = Sandhills form. Streams bring sediment to the Coastal Plains. The ocean rises then recedes again. Fall line forms.
- 1.7 mya = The Ice Age begins and sea levels fall
- 18,000 ya = Glaciers recede, and barrier islands form