Folding and Faulting
Looking for Evidence of Past Earthquakes

2014 Earthquakes in NC Workshop
Tim Martin  Greensboro Day School
Normal Fault

Tension or divergent movement
Thrust or Reverse Fault

Compression or convergent motion
Transform or Strike Slip Fault

Transform or lateral movement
Anticline and Syncline

Compression or convergent motion
Strike Slip / Transform fault - USGS Photo of off-set orange grove in California
Anticline and Reverse Fault – Waucobi/Devils Gate, Big Pine CA
Normal Faults – Bishop Tuff, Bishop CA
Syncline and Thrust Fault – Gold Hill Shear zone, Gold Hill NC
Normal Fault – Hurricane Fault  Cedar Breaks National Monument  UT
Syncline – Arches National Park UT
Normal Fault – Mt. Carmel fault, Mt. Carmel UT
Syncline drag fold – Black Diamond Coal Mine Chatham Co NC
Syncline and Anticline – Arkansas River, Salida CO
Normal Fault – Moab Fault, Arches National Park UT
Syncline – Arches National Park UT
Normal Fault – Shoshone Fault, Shoshone CA
Strike Slip Fault – Hayward Fault, Freemont Ca
• This presentation was constructed for the 2014 Earthquakes in NC workshop and may be freely be used by teachers for educational purposes.

• Unless indicated otherwise, images in this presentation are taken by Tim Martin (one USGS image)