MODIFICATION OF CRUST AND LITHOSPHERE BY CONTINENTAL RIFTING/BREAKUP AND BY TERRANE ACCRETION

> William A. Thomas Geological Survey of Alabama

GROWTH OF ONTINENTAL LITHOSPHERE

Accretion of continental crustal terranes long the lapetan rifted southern margin of Laurentia uring assembly of Pangaea

CONTRACT OF CONTRACT. Ouachita **Gulf Coastal Plain** WEST FLORIDA Lake FLORIDA ۵ 1551551PPI ESCARPN 46





























continent



MODIFICATION OF CONTINENTAL LITHOSPHERE

- ough two Wilson cycles:
- sembly of Rodinia
- ntinental rifting and breakup of Rodinia,
- and opening of lapetus
- sembly of Pangaea, and
- the Appalachian-Ouachita orogen
- ntinental rifting and breakup of Pangaea, and opening of the Atlantic Ocean



























