

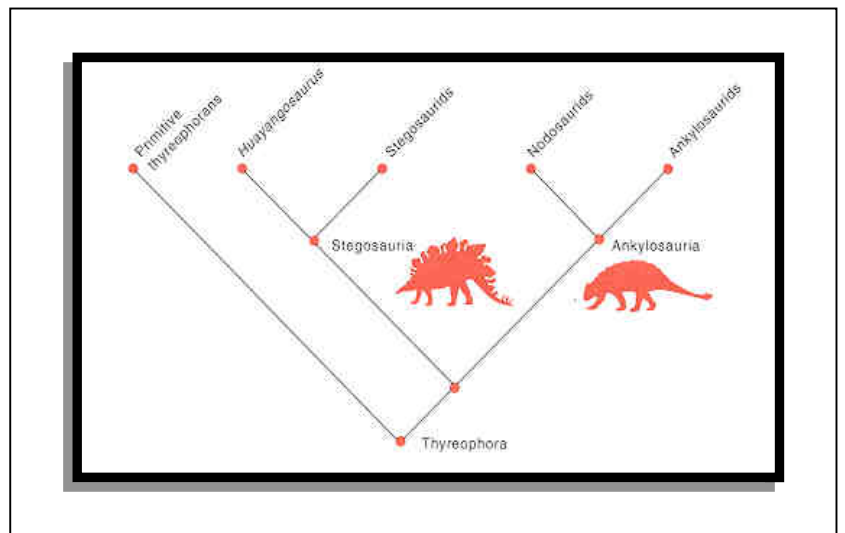
Exam 3 Review Topics (i.e. highlights)

Chapter 8 Stegosaurids



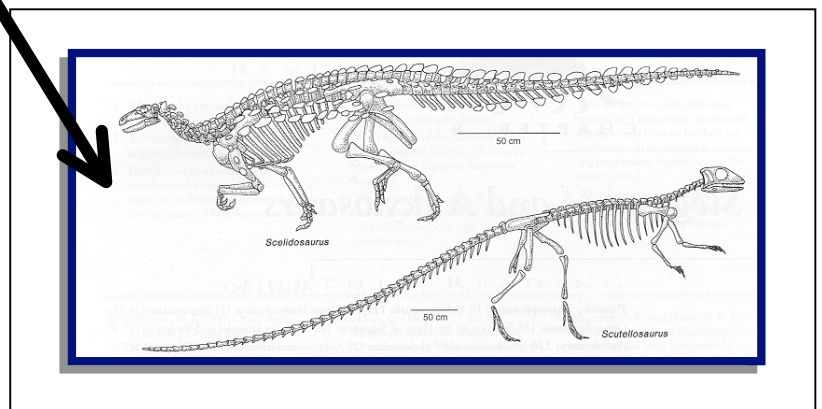
Thyreophorans

- Armored
- Quadrupedal
- One or more rows of armor
- Plate alongside the vert.



Primitive Thyreophorans

- Relatively small
- Body covered with bony plates (evol. Novelty)
- Longer hind legs than front
- Herbivore
- Evolutionary Convergence?
- Evolve Independently?
- Keel and ventral excavations
- Leaf-shaped teeth

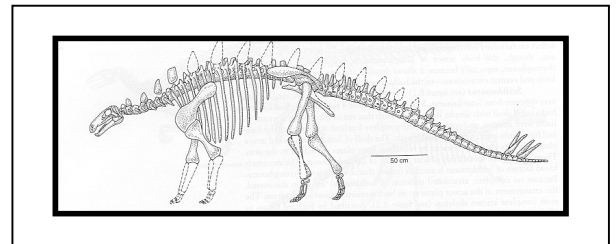


Stegosauria - "plated lizards"

- Armored plates on their backs
- Medium-sized to large (up to 9 meters long)
- Quadrupedal, herbivorous ornithischians
- Small heads, short and massive forelegs.
- Long, columnar hind legs and short stout feet with
- hooves on the end of toes
- Vertical bony plates and spines (evolutionary novelty)

Most primitive is *Huayangosaurus*

- (hwah-YANG-oh-sore-us)
- Eye far forward, above posterior cheek
- Smaller and less massive than stegosaurids
- Different hips and shoulder girdles
- Separated from Stegosauridae



Stegosaurids

- Arrangement of plates
- Small heads
- Size of brain or brains?
- Herbivores
- Gait
- Plates
- Defense?
- Flat against back?
- Cover only small portion of back - belly + legs unprotected
- Vascularization - filled with blood. Expose to attacker?
- James Farlow - radiators and solar panels (Engine)
- Cools diamond shaped in alternating rows (most)
- Flowering plants and ornitropods

