

6. Vertebral Column and Turtle Shells

6.1 Checklist of terms

Vertebral regions and structures

Cervical vertebrae

Atlas

Axis

Odontoid process (= dens)

Thoracic vertebrae

Lumbar vertebrae

Sacral vertebrae

Caudal vertebrae

Synsacrum [birds]

Pygostyle [birds]

Urostyle [frogs]

Vertebral centra types

Amphicoelous

Procoelous

Opisthocoelous

Heterocoelous

Acoelus (= platyan, amphiplatyan)

Vertebral structures

Centrum (= body)

Neural arch, neural spine

Haemal arch, haemal spine

Diapophysis (= full facet)

Parapophysis (= demifacet)

Prezygapophysis

Postzygapophysis

Zygosphene [snakes]

Zygantrum [snakes]

Transverse process

Neural canal (= spinal canal)

Transverse foramen (= vertebralarterial canal)

Rib structures

Capitulum

Tuberculum

Turtle shell bones

6.2 Checklist of terms

Carapace

Neural*
Costal*
Peripheral*
Nuchal*
Pygal

Plastron

Epiplastron
Hyoplastron
Hypoplastron
Xiphiplastron