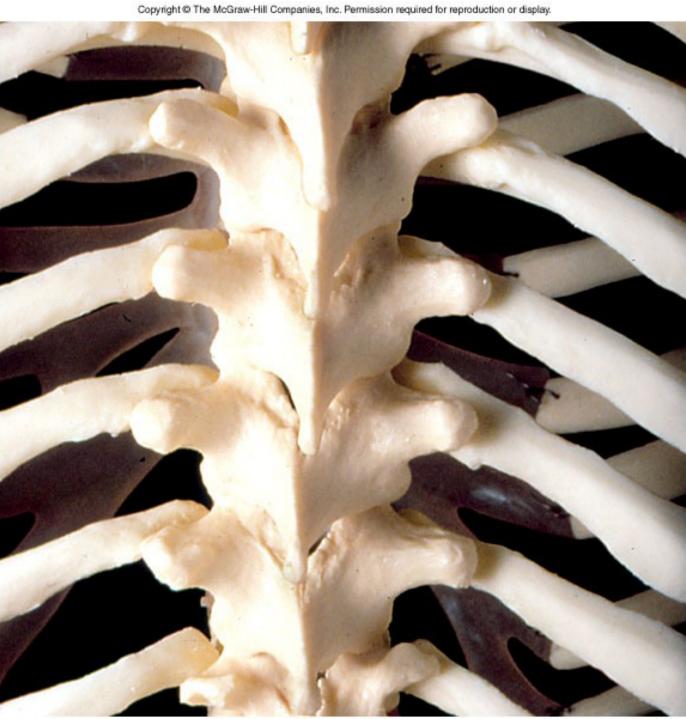
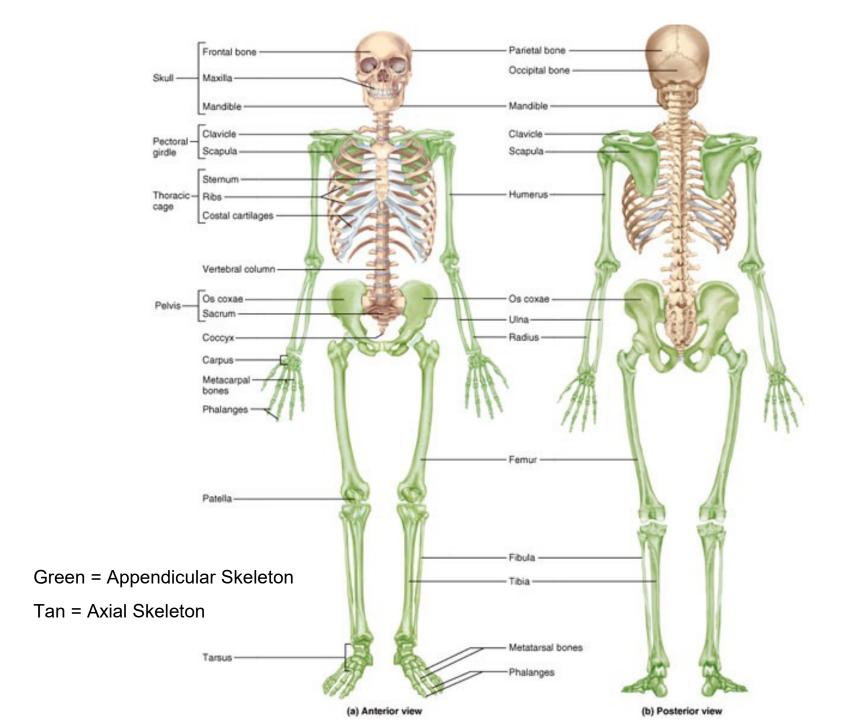
MC3 A/P Lab Unit 1

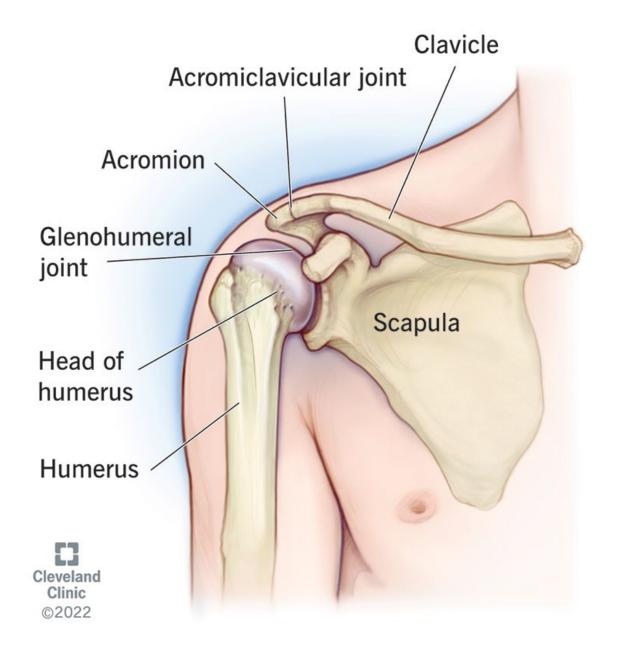
Axial Skeleton

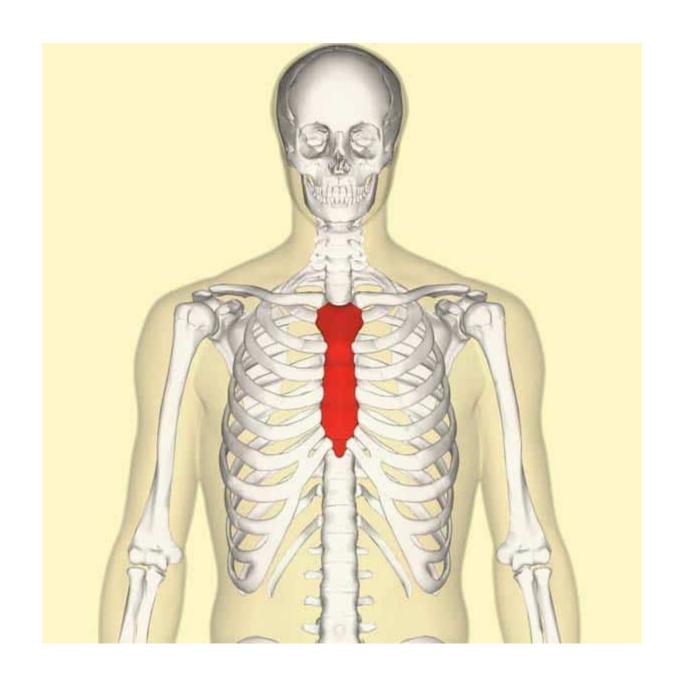
Thorax & Hyoid Vertebral Column

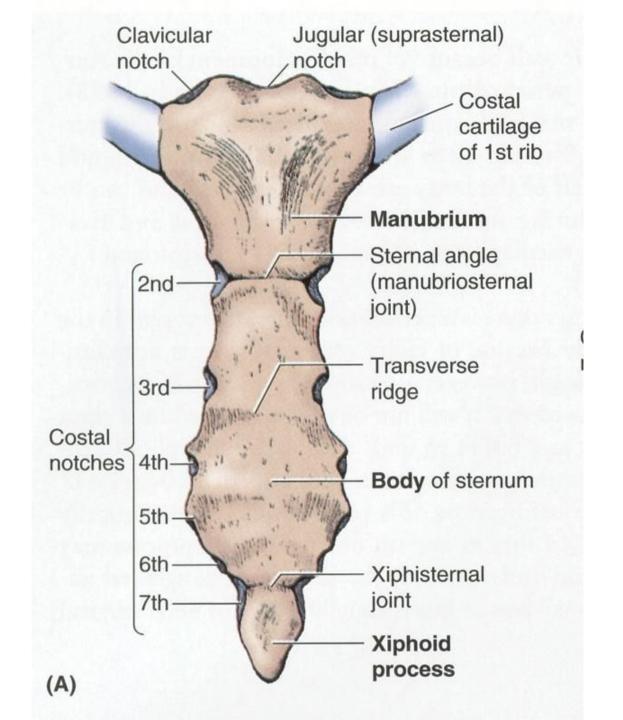


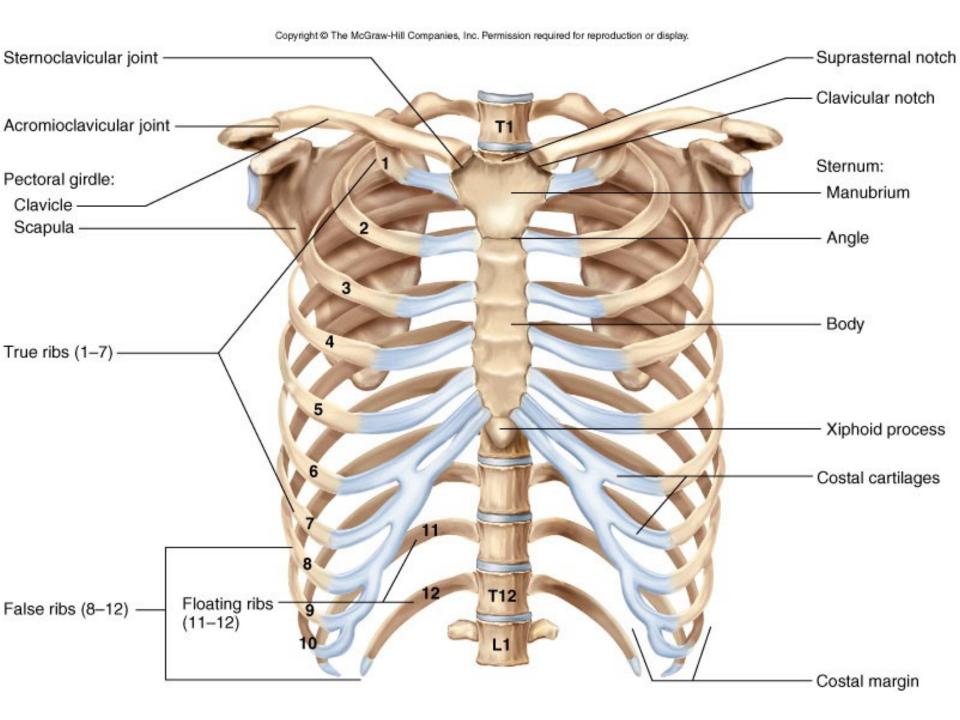


Shoulder Joint





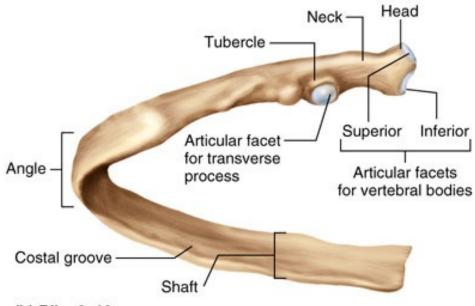




Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.



(a) Rib 1

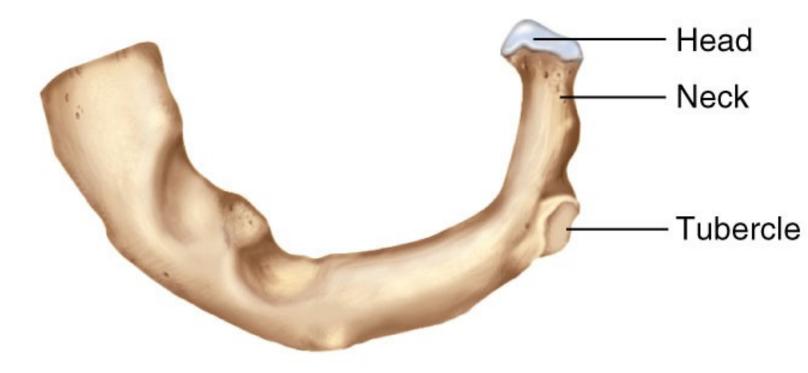


(b) Ribs 2-10

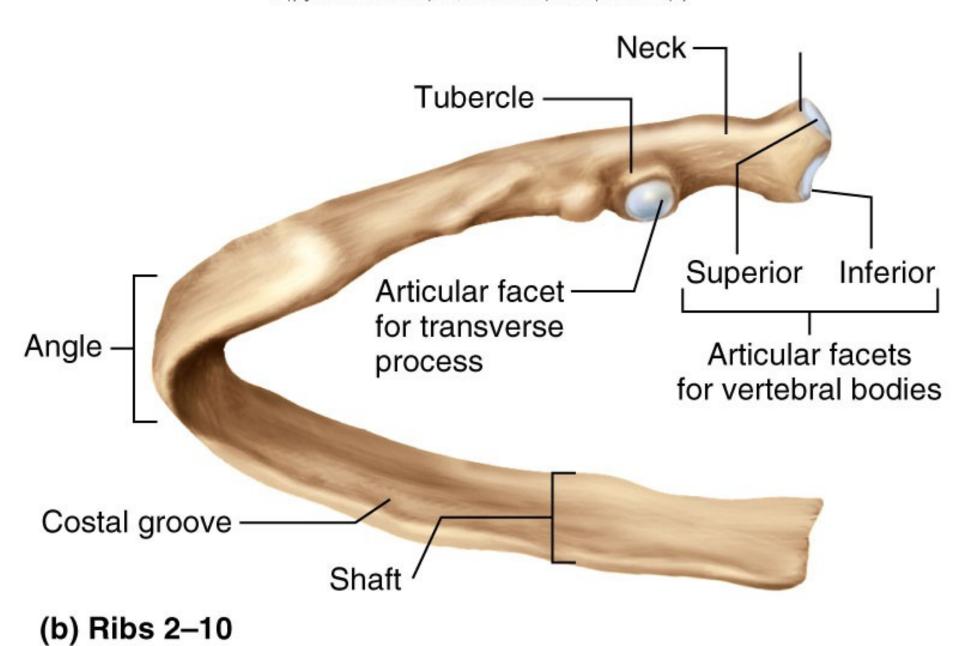


(c) Ribs 11-12

Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.



(a) Rib 1

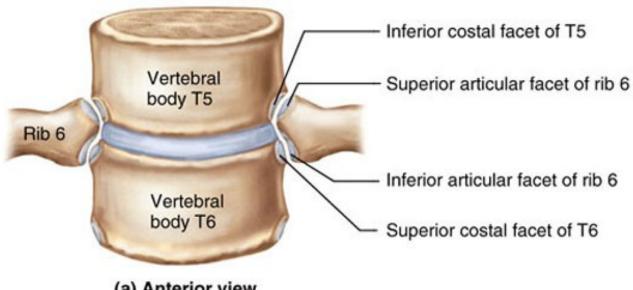


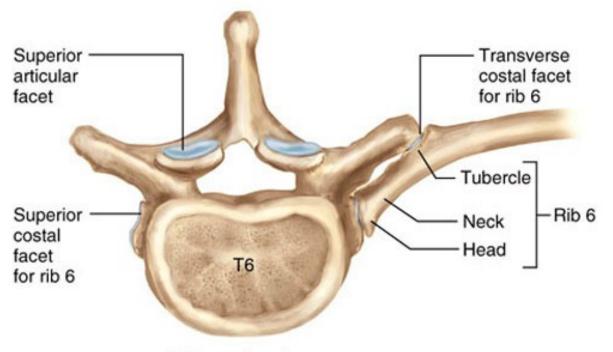
Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.



(c) Ribs 11-12

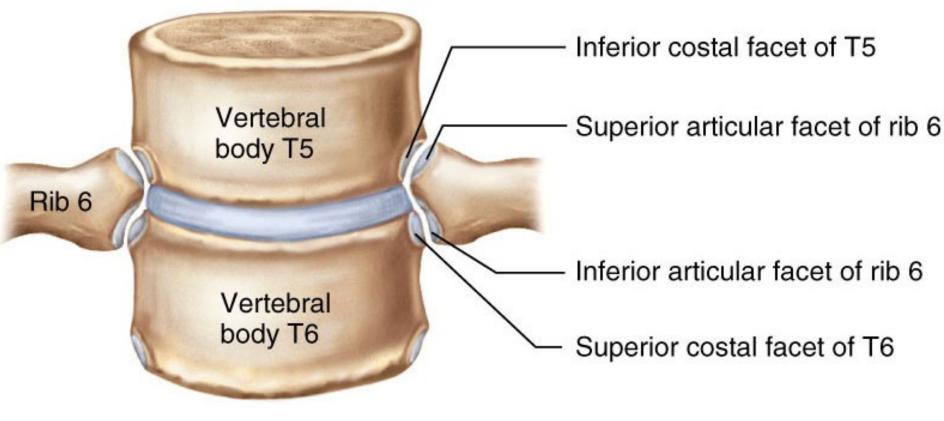
Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display.





(b) Superior view

Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display.



(b) Superior view

Anterior view Posterior view Atlas (C1)--Axis (C2) Cervical vertebrae T1-Thoracic vertebrae -T12-Lumbar vertebrae S1-Sacrum S5 Coccyx-Coccyx

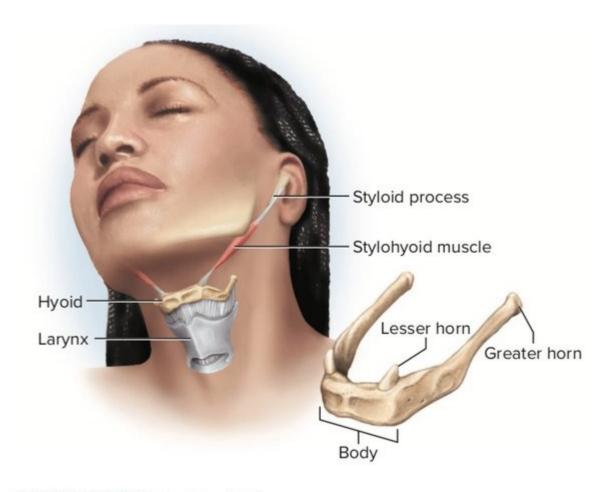
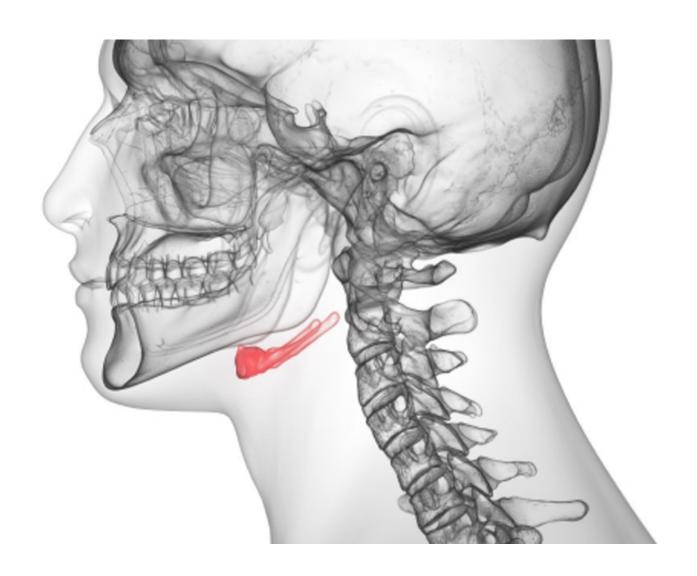
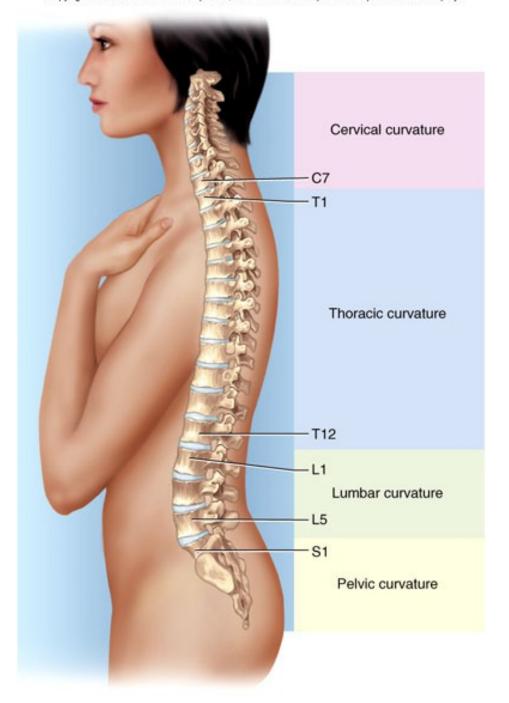


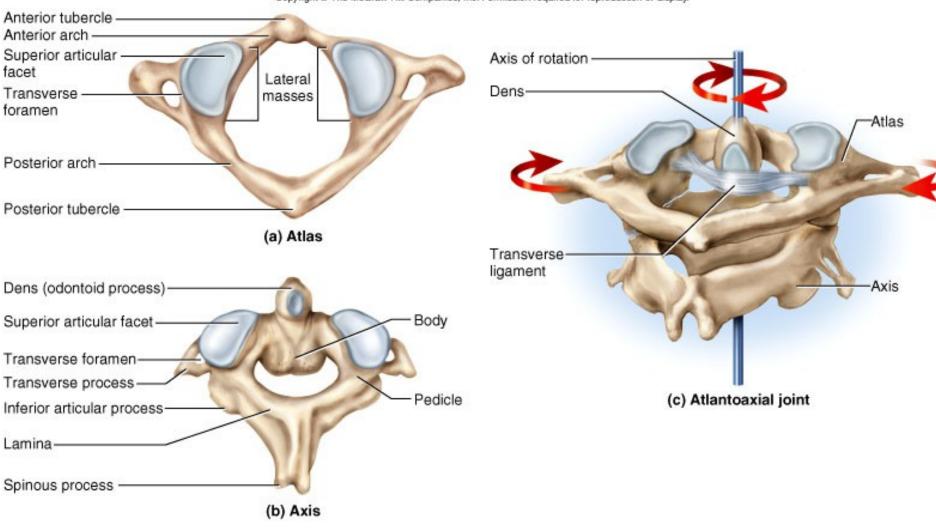
FIGURE 8.16 The Hyoid Bone.

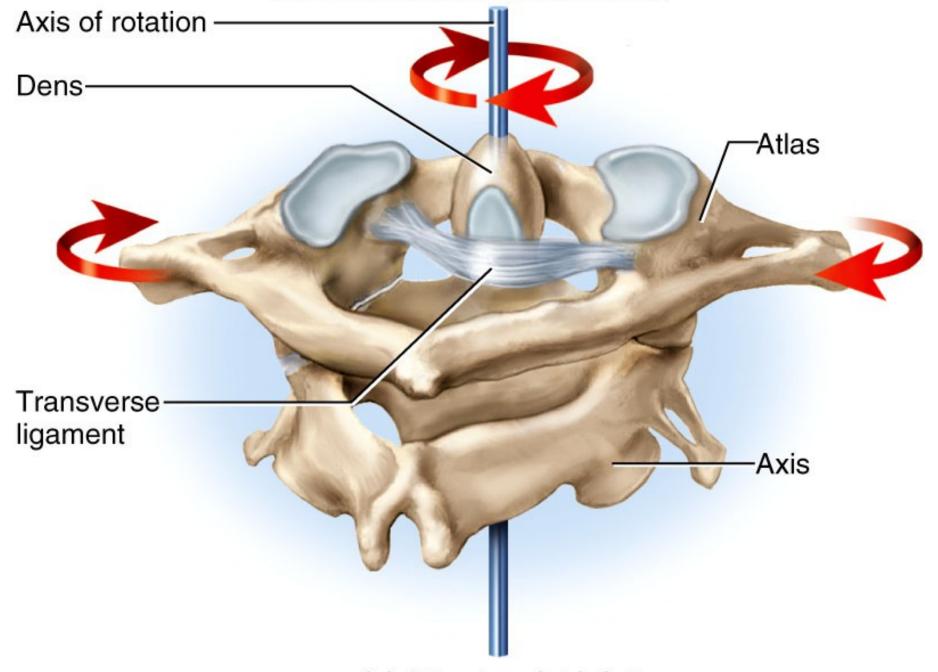


Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.



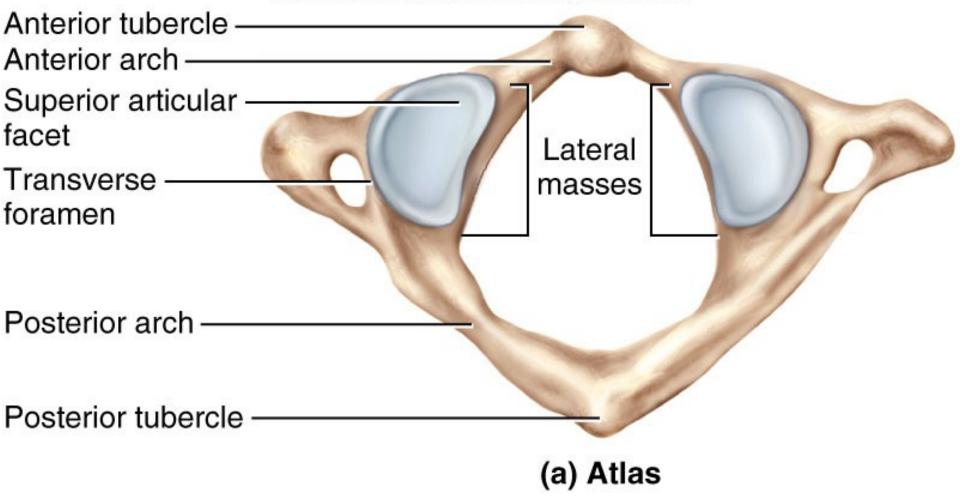
Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display.

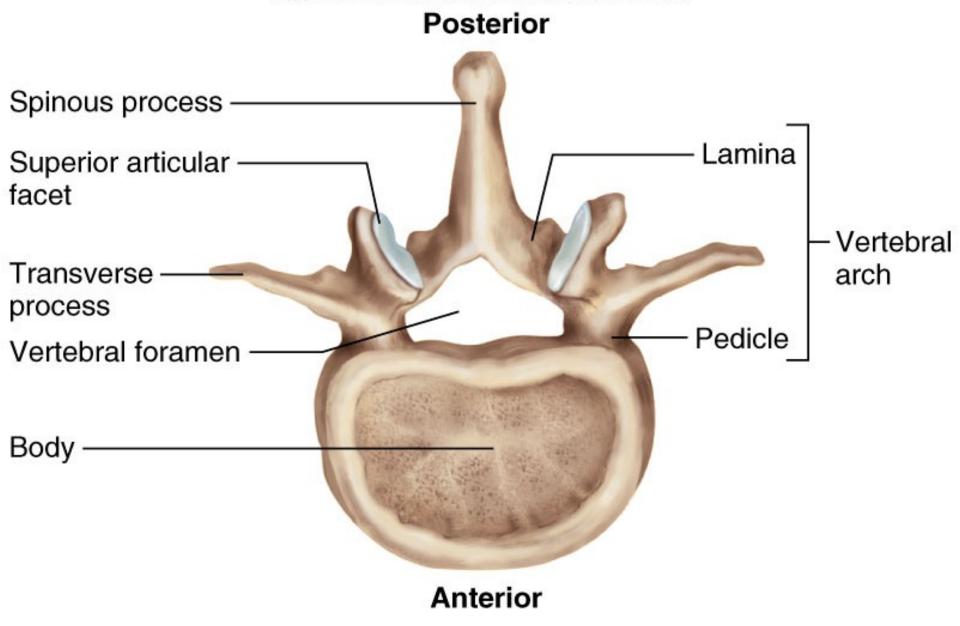




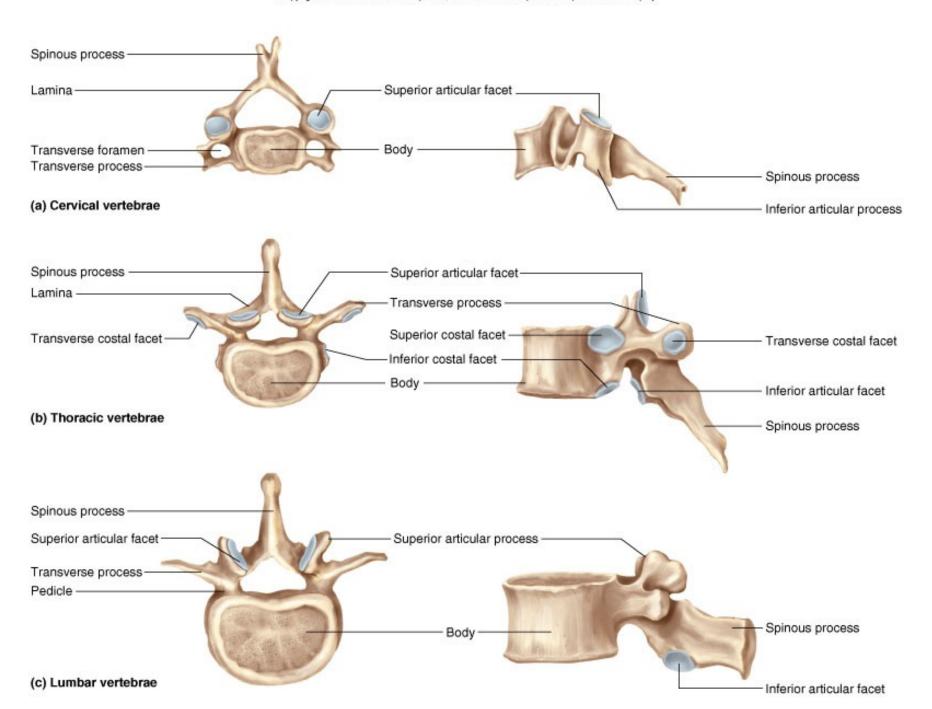
(c) Atlantoaxial joint

Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.





(a) 2nd lumbar vertebra (L2)



Spinous process

Lamina

Superior articular facet

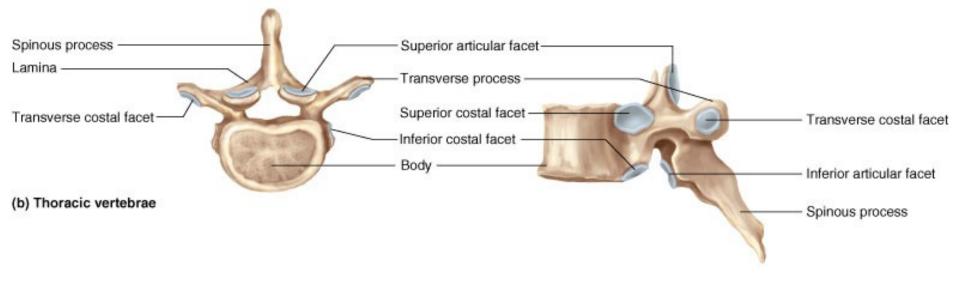
Transverse foramen
Transverse process

Spinous process

Inferior articular process

Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.

Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.



Spinous process

Superior articular facet

Transverse process

Pedicle

Body

Spinous process

Inferior articular facet

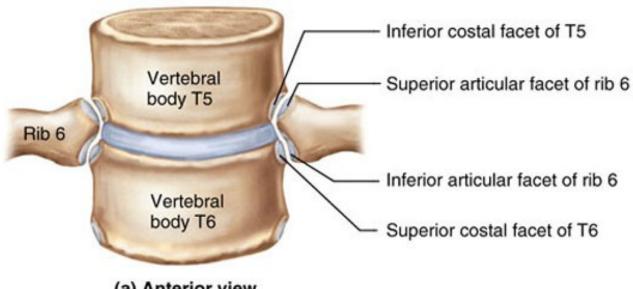
Superior articular facet

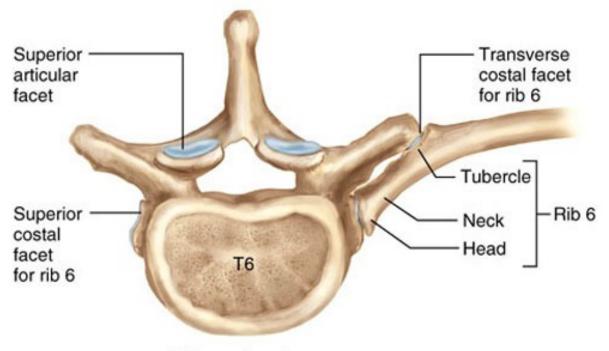
Spinous process

Pedicle

Inferior articular facet

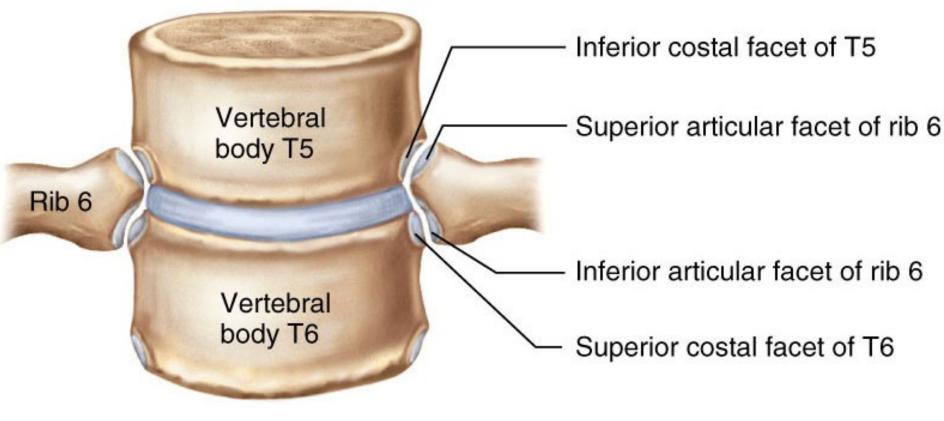
Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display.





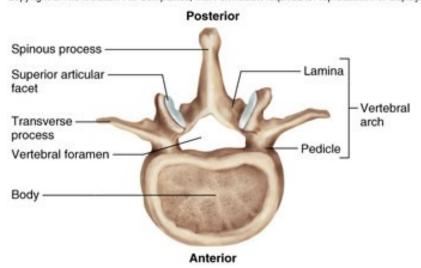
(b) Superior view

Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display.

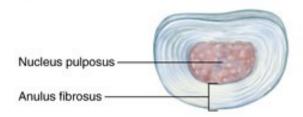


(b) Superior view

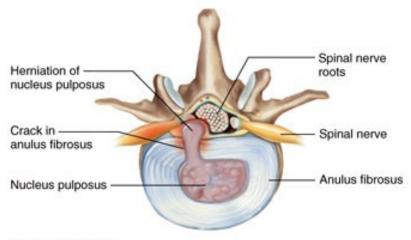
Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display.



(a) 2nd lumbar vertebra (L2)

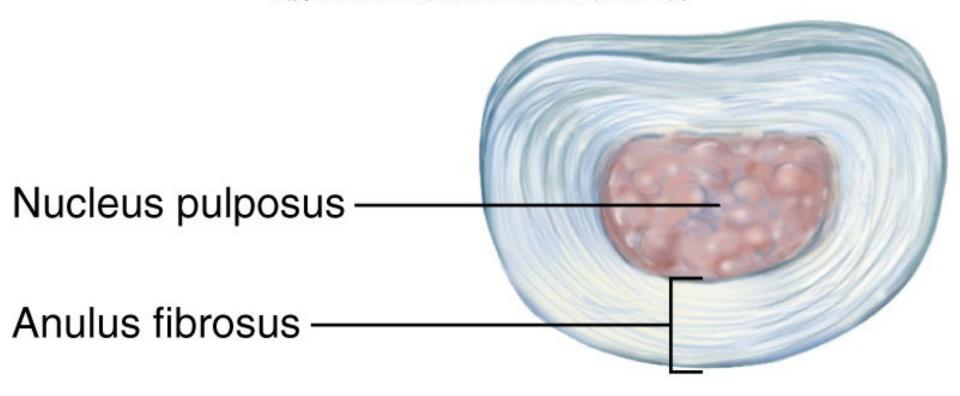


(b) Intervertebral disc

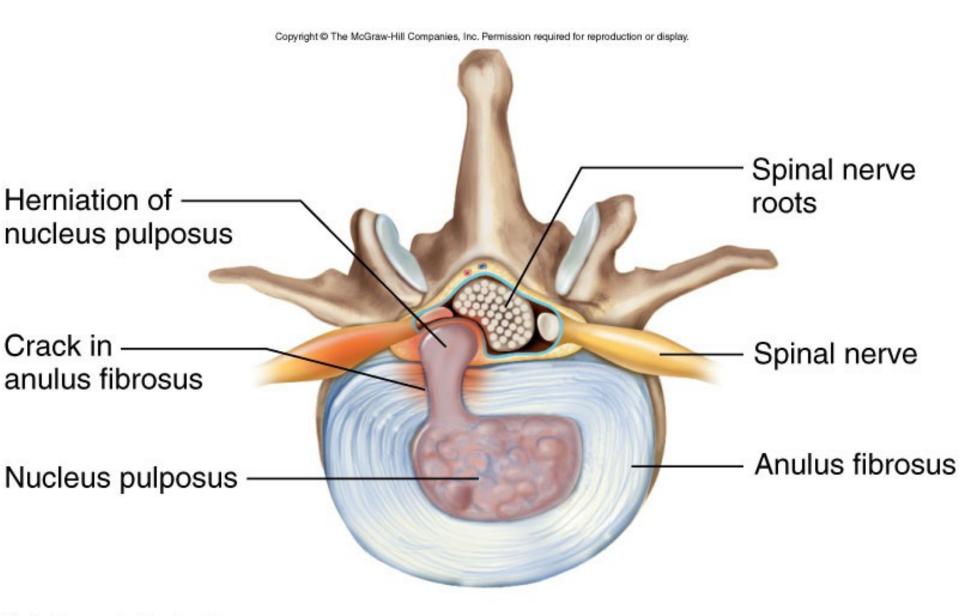


(c) Herniated disc

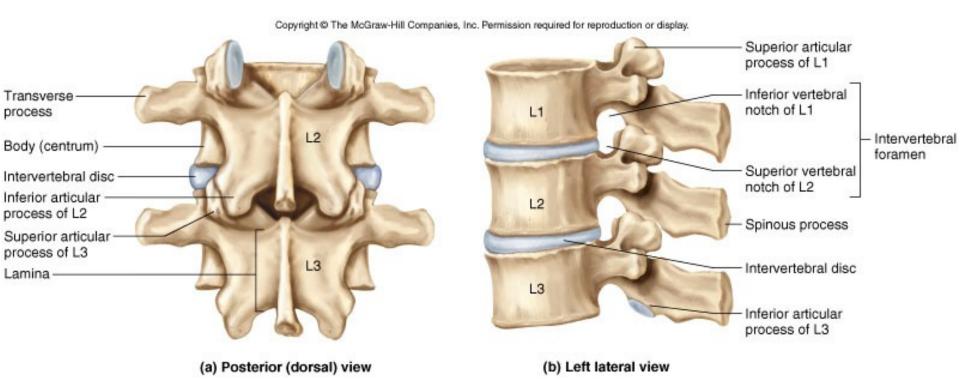
Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display.

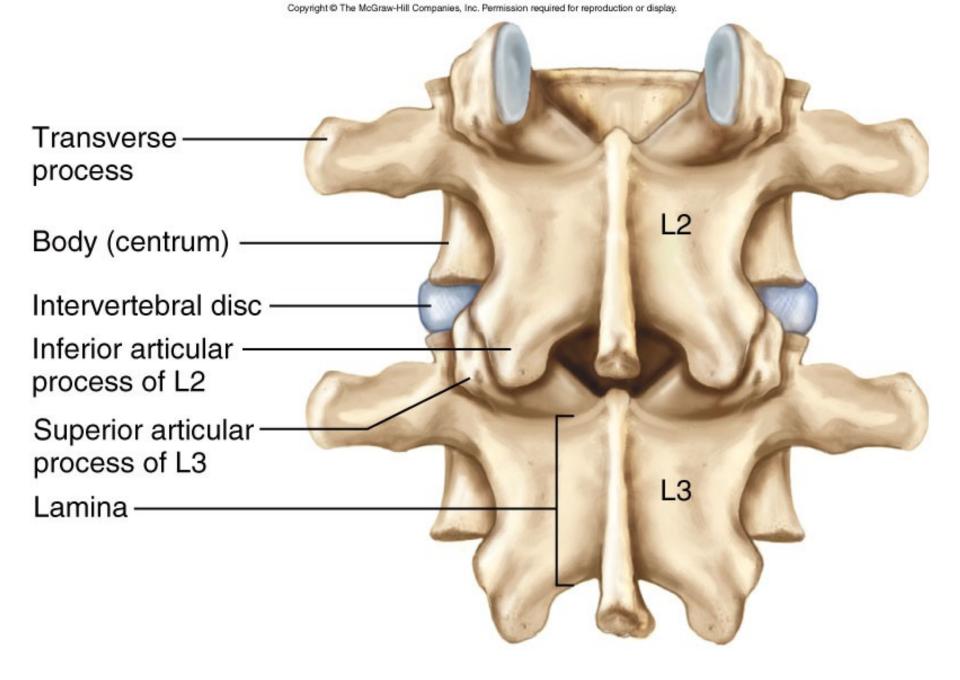


(b) Intervertebral disc

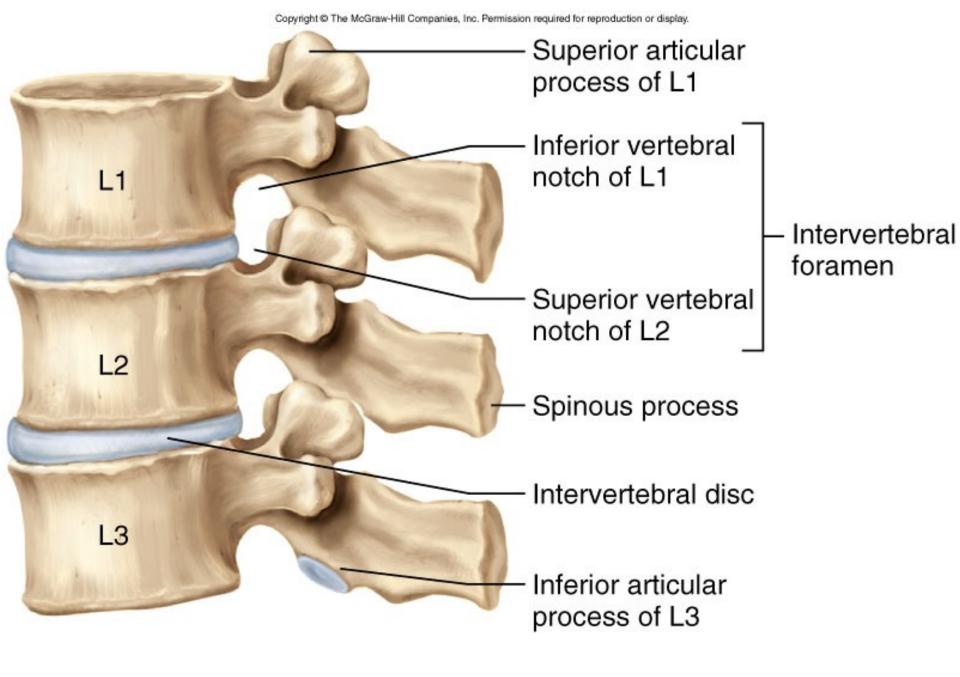


(c) Herniated disc





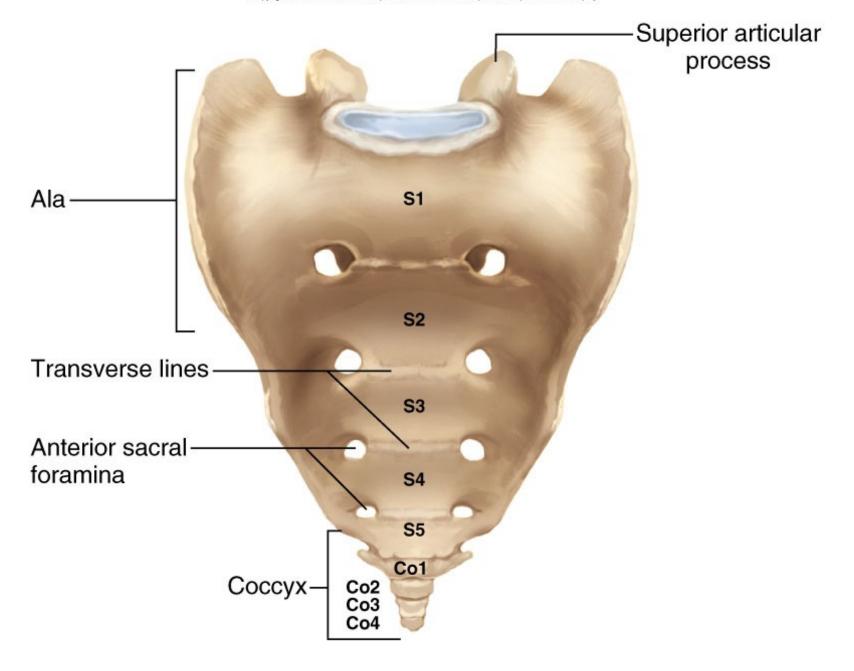
(a) Posterior (dorsal) view



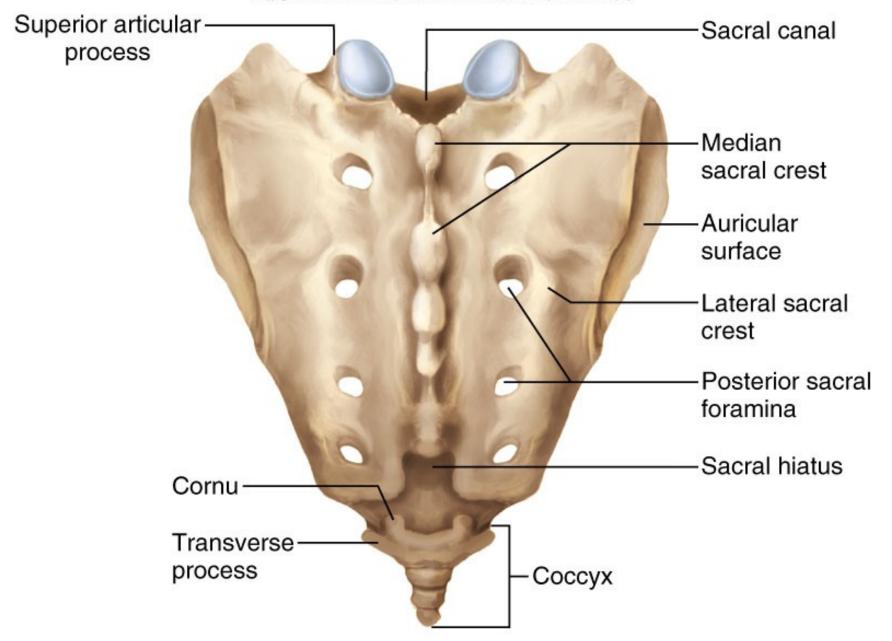
(b) Left lateral view

Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display. Superior articular-Sacral canal process Median sacral crest Ala-SI -Auricular surface Lateral sacral S2 crest Transverse lines Posterior sacral **S3** foramina Anterior sacral Sacral hiatus foramina **S4** Cornu-**S5** Transverse-Co1 process Coccyx Coccyx-Co2 Co3 Co4

(b) Posterior view



(a) Anterior view



(b) Posterior view





(a) Scoliosis

Key
Normal
Pathological

(b) Kyphosis ("hunchback")

(c) Lordosis ("swayback")

Scapula

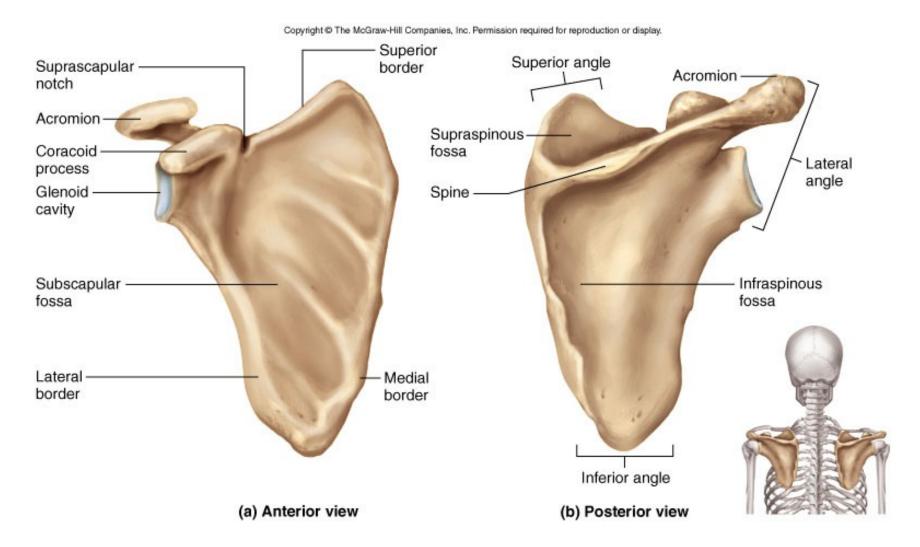
Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display.

(b) Posterior view

- Triangular plate overlies ribs 2 to 7
- Spine ends as acromion process

- Coracoid process = muscle attachment
- Subscapular, infraspinous and supraspinous fossa
- Glenoid fossa = socket for head of humerus

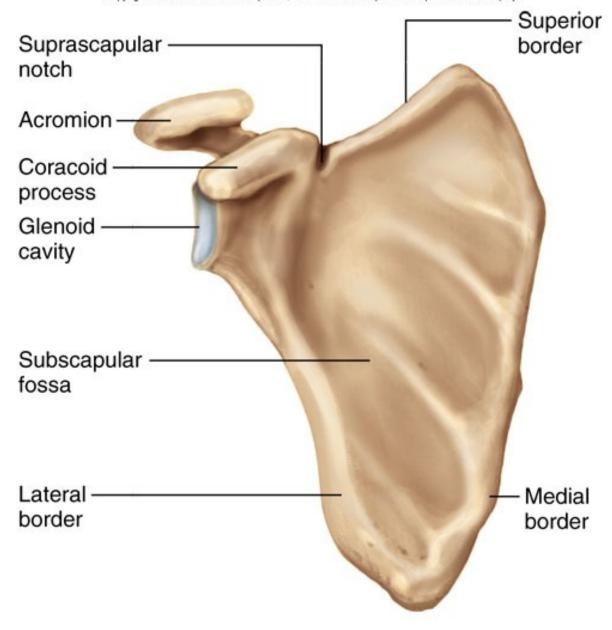
Scapular Features



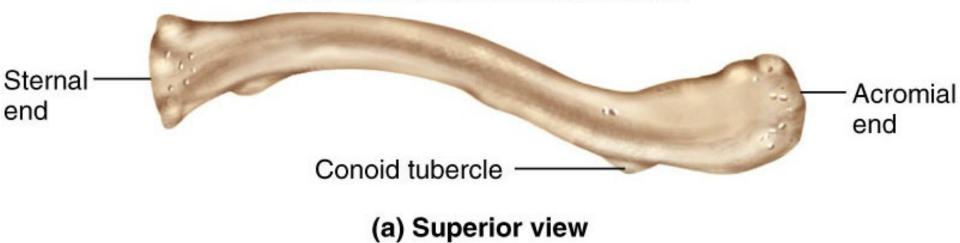
Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display. Superior Superior angle Suprascapular border Acromion notch Acromion Supraspinous Coracoid fossa Lateral process angle Glenoid Spine cavity Subscapular Infraspinous fossa fossa Lateral-Medial border border Inferior angle

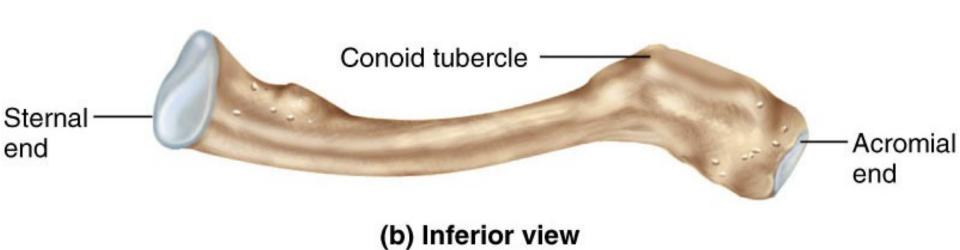
(b) Posterior view

Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display.

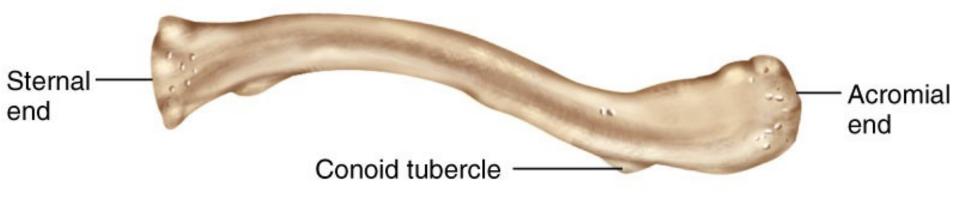


(b) Scapula (posterior view)





Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.



(a) Superior view

Sternal end

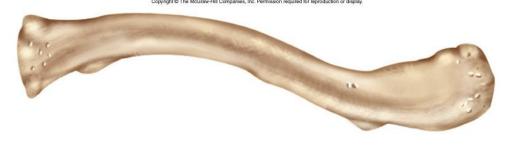
Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.

Conoid tubercle

Acromial end

(b) Inferior view

Clavicle

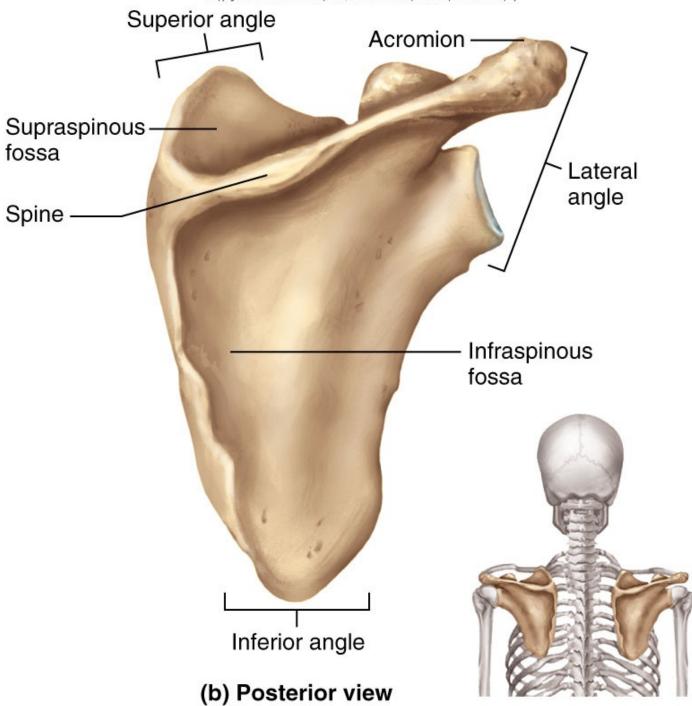


(a) Superior view

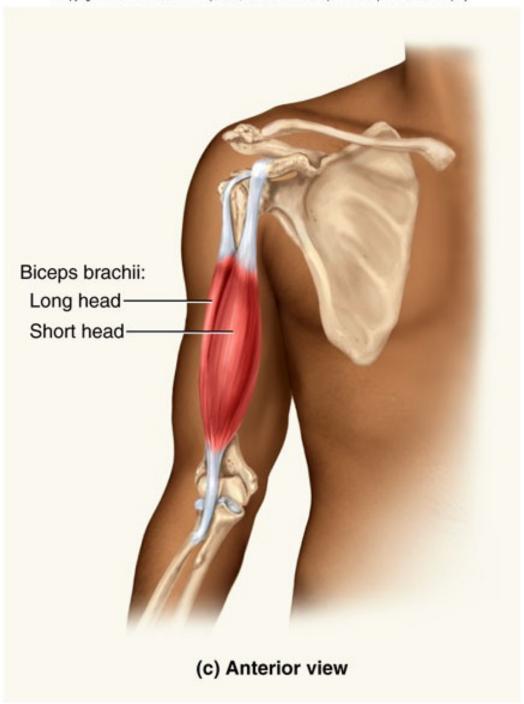


(b) Inferior view

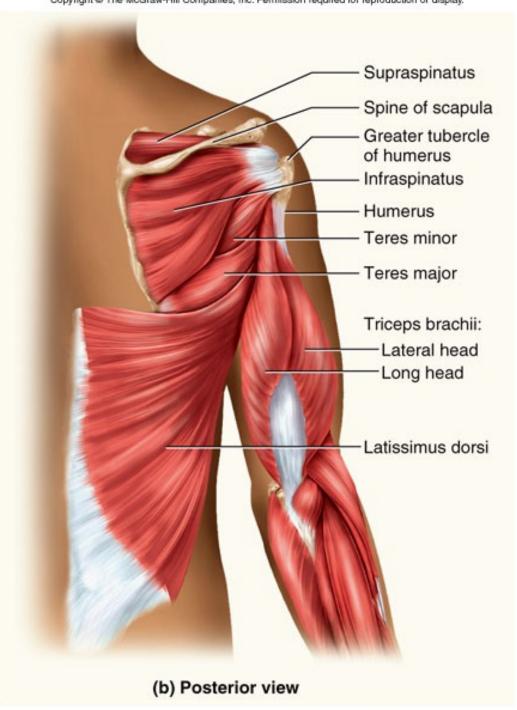
- S-shaped bone, flattened dorsoventrally
- Inferior marked by muscle and ligament
- Sternal end rounded -- acromial end flattened



Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display.



Copyright @ The McGraw-Hill Companies, Inc. Permission required for reproduction or display.



Ulna

Origins

Scapula-

Extensors:

Insertion

Long head