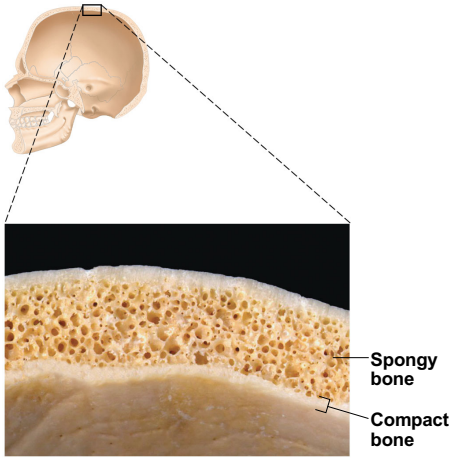

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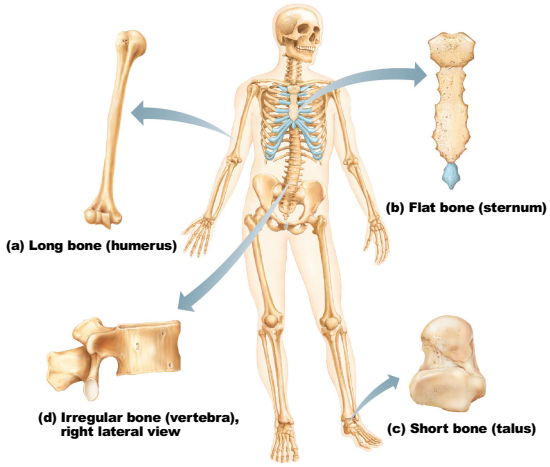

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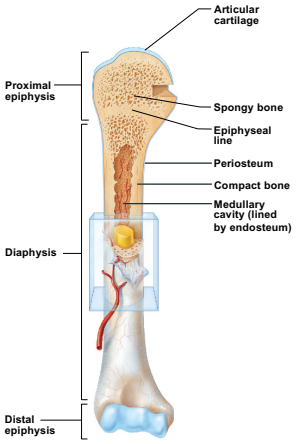

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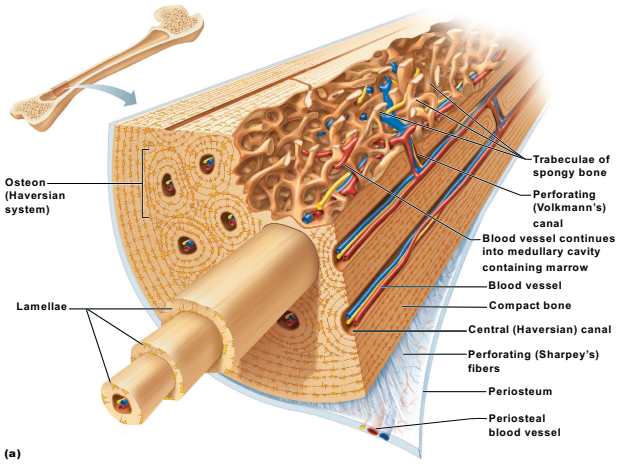

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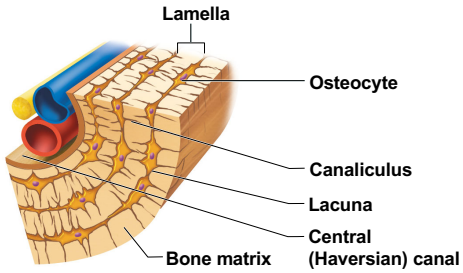

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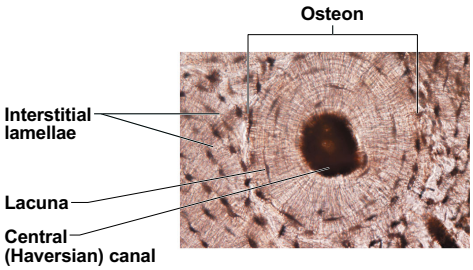

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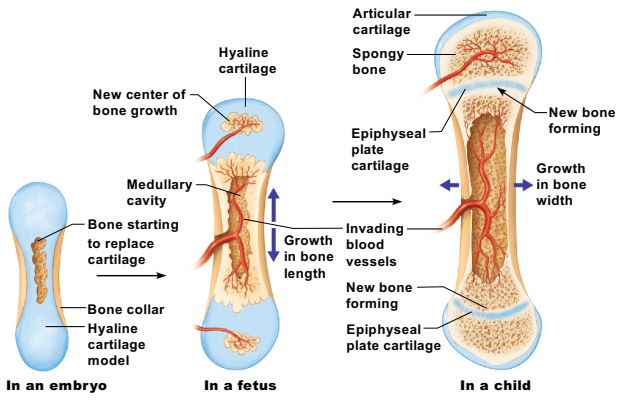

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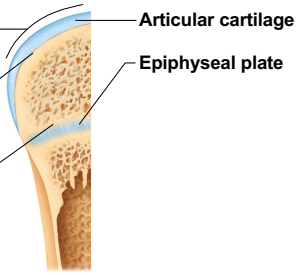
Bone growth

Bone grows in length because:

1. Cartilage grows here.
2. Cartilage is replaced by bone here.
3. Cartilage grows here.



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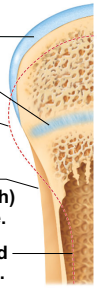
Bone remodeling

Growing shaft is remodeled as:

Articular cartilage

Epiphyseal plate

1. Bone is resorbed by osteoclasts here.
2. Bone is added (appositional growth) by osteoblasts here.
3. Bone is resorbed by osteoclasts here.



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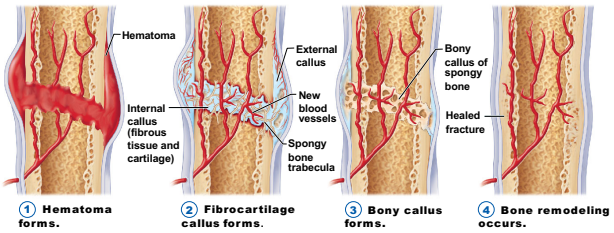

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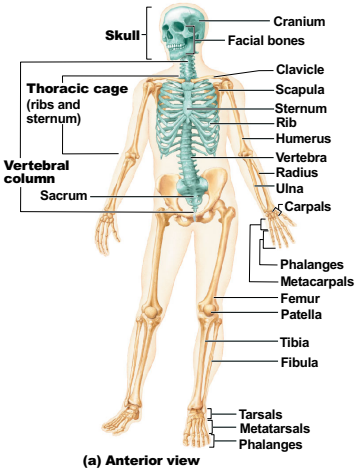

(a) Anterior view

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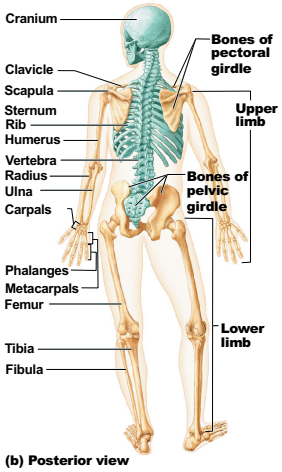

(b) Posterior view

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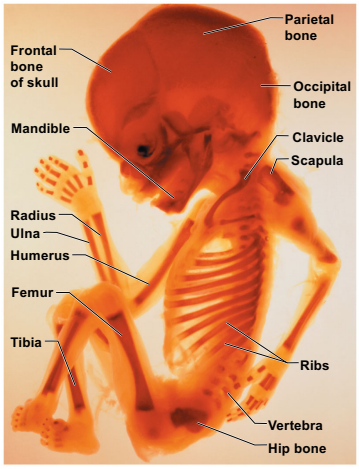

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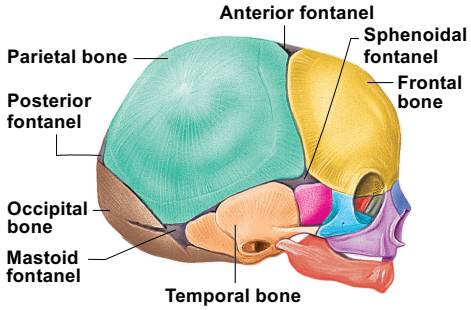

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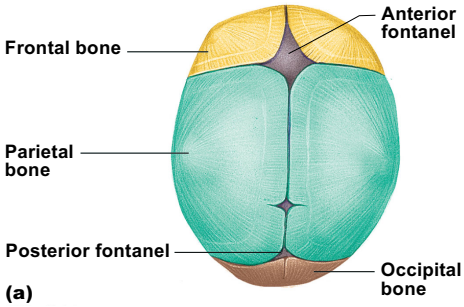

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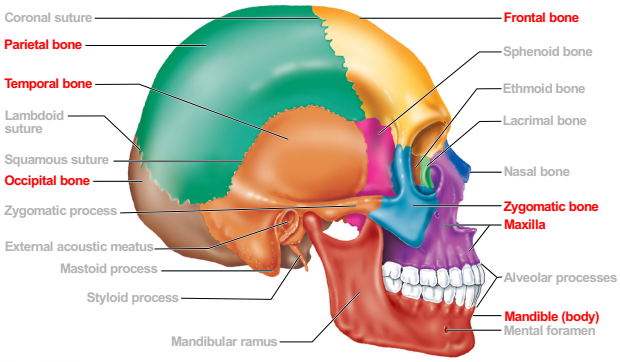

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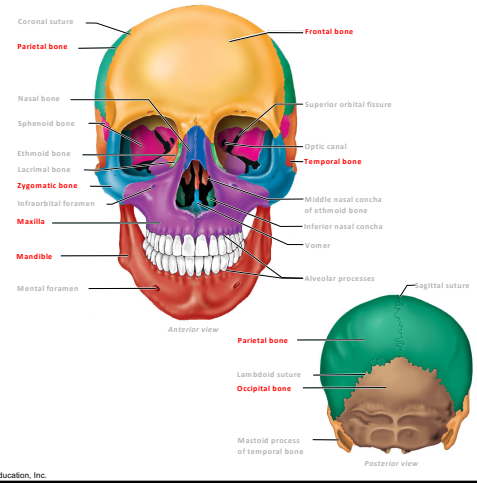

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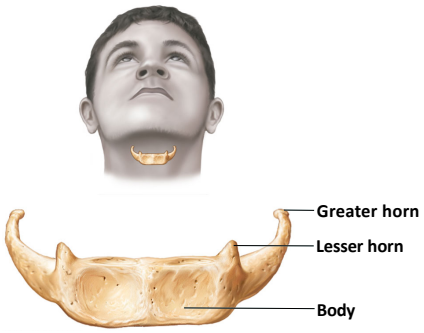

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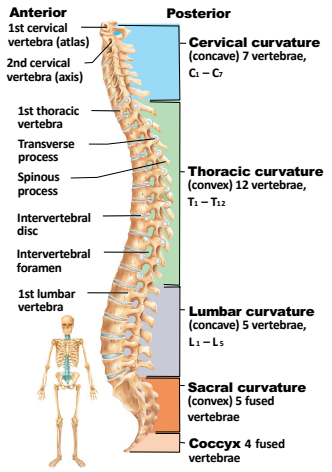

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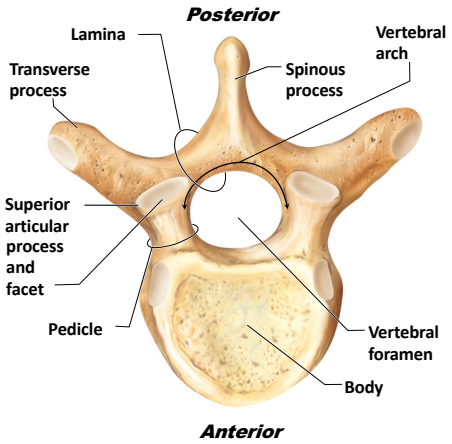

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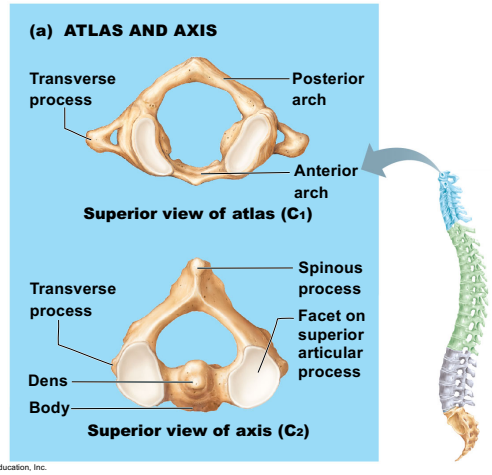

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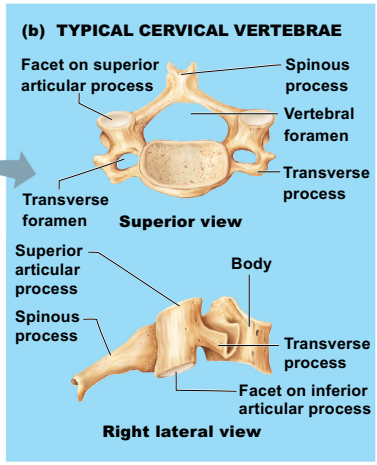

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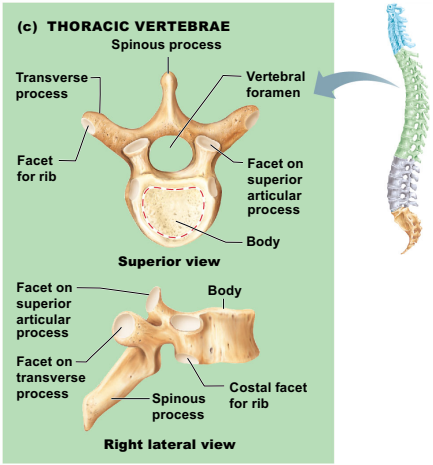

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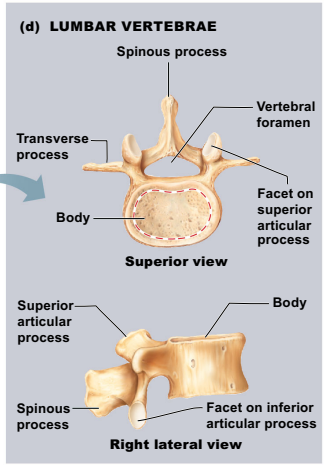

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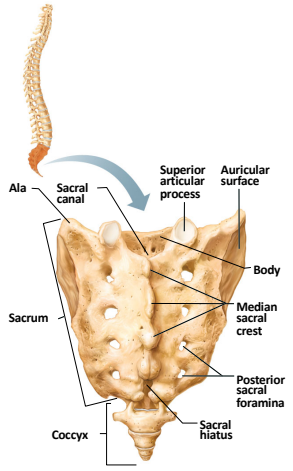

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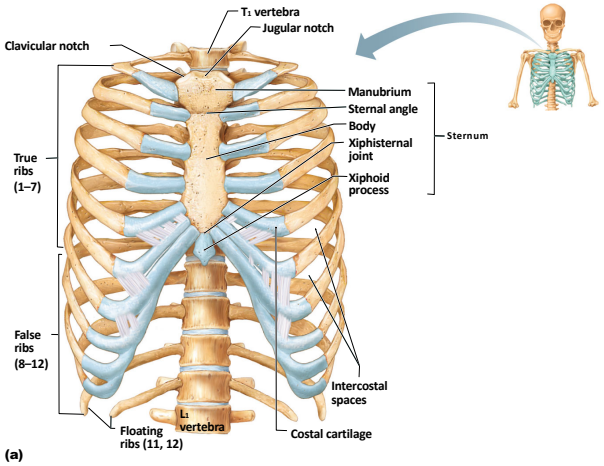

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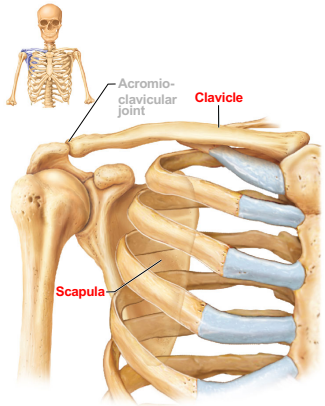

(a) Articulated right shoulder (pectoral) girdle showing the relationship to bones of the thorax and sternum

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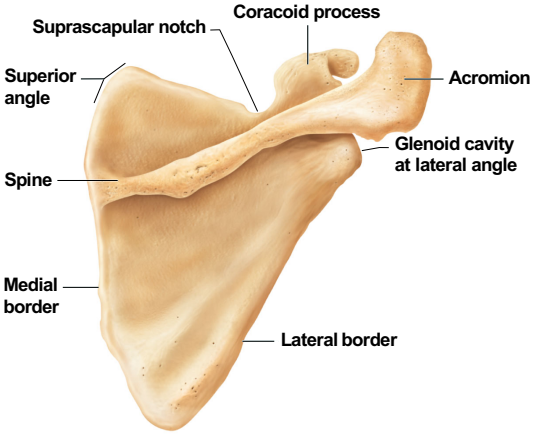

(c) Right scapula, posterior aspect

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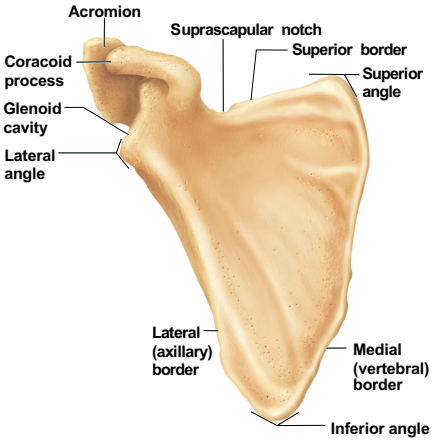

(d) Right scapula, anterior aspect

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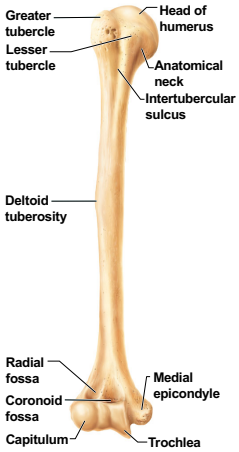

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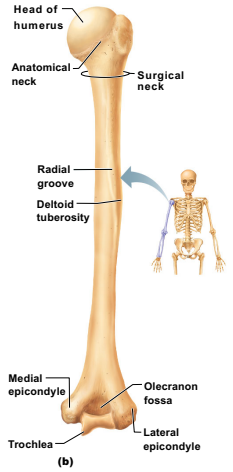

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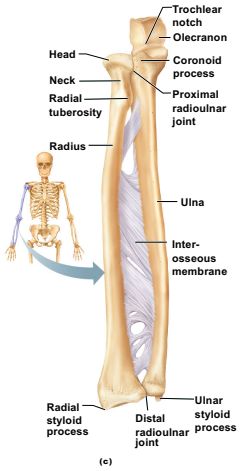

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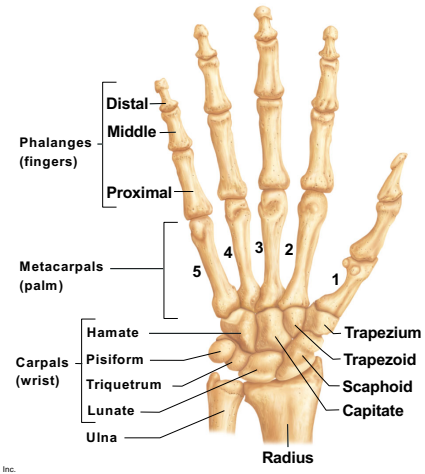

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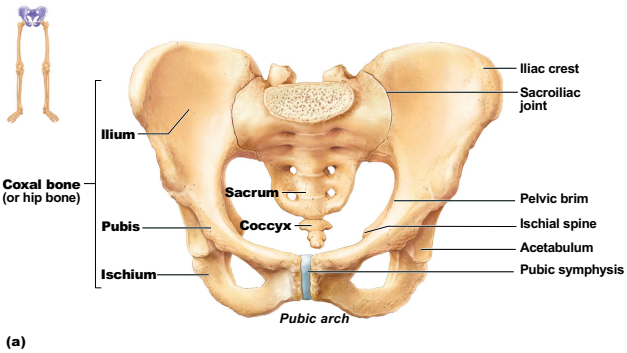

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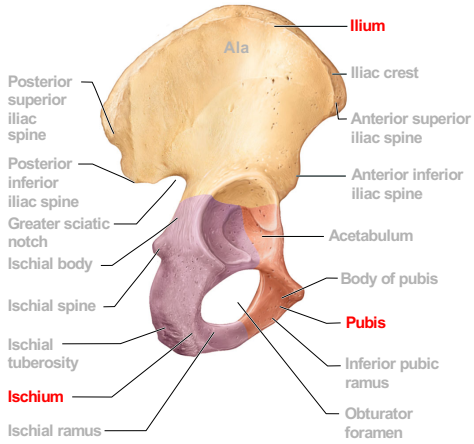

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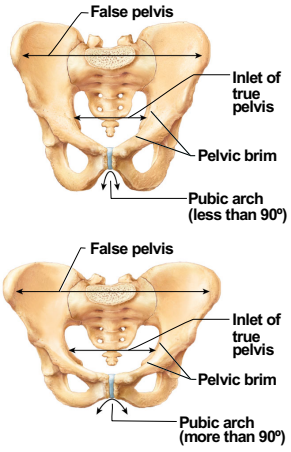

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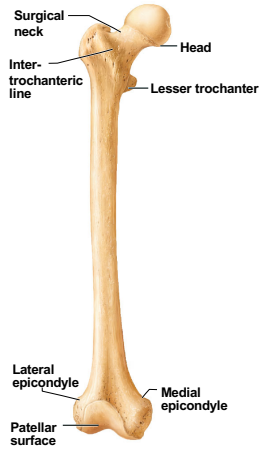

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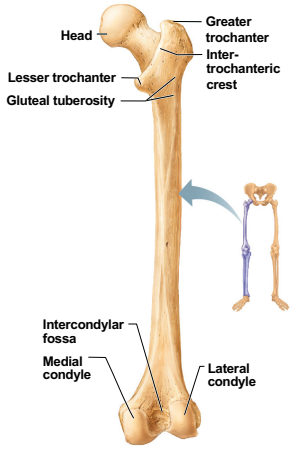

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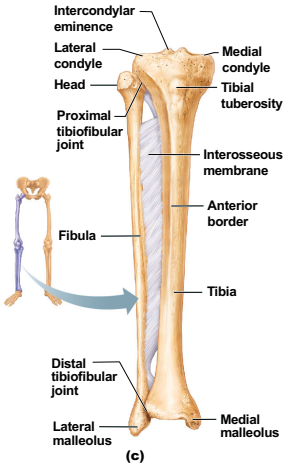

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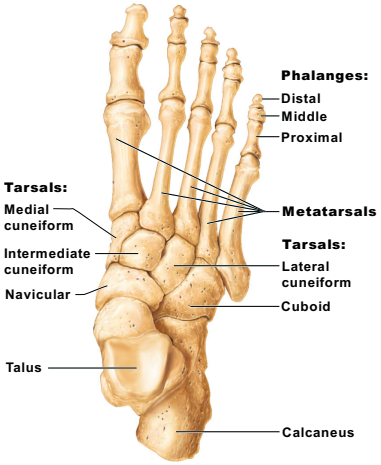

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