

WORKSHEETS (LEMBAR KERJA)

Mata Kuliah	: Anatomi
Materi	: Musculoskeletal
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No	Keterangan	Pembahasan
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1	Jumlah tulang manusia 206 206. Tulang Terdiri atas :..... - tulang tengkorak / cranium 8 buah - tulang wajah 14 buah - tulang telinga dalam 6 buah - tulang lidah 1 buah - tulang dada 25 buah	- tulang belakang (vertebrae) dan pelvis 26 buah - tulang ekstremitas atas 64 buah - tulang ekstremitas bawah 62 buah
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2	Jelaskan klasifikasi Tulang menurut bentuknya	1) Ossa longa (tulang panjang). contoh: os humerus, os femur 2) Ossa brevia (tulang pendek). contoh: ossa carpalia 3) Ossa plan (tulang gepeng / pipih). contoh: os parietale 4) Ossa irregular (tulang tak beraturan). contoh: os coxae, os sphenoidale 5) Ossa pneumatica (tulang berongga udara). contoh: Os maxilla, Os ethmoidale
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3	Sistem skeletal	<table border="1"> <thead> <tr> <th>Axial sceleton (80)</th> <th>Apendicular sceleton (63)</th> </tr> </thead> <tbody> <tr> <td>1) Skuli, Sternum</td> <td>Supporting (Scapula and collarbone)</td> </tr> <tr> <td>2) Ribs</td> <td>Upper limb bones</td> </tr> <tr> <td>3) Vertebrae</td> <td>Supporting bones (hip)</td> </tr> <tr> <td>4) Sacrum</td> <td>Lower limb bones</td> </tr> </tbody> </table>	Axial sceleton (80)	Apendicular sceleton (63)	1) Skuli, Sternum	Supporting (Scapula and collarbone)	2) Ribs	Upper limb bones	3) Vertebrae	Supporting bones (hip)	4) Sacrum	Lower limb bones
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4	Jelaskan fungsi sendi dan contohnya	Fungsi Sendi adalah menghubungkan dua tulang, memberi struktur, serta membantu otot untuk menggerakkan tulang. contoh: sendi sinartrosis, amfiartrosis, dan diartrosis.
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5 Cranium

8 Cranial Bones

Labels in diagram: Frontal, Parietal, Temporal, Occipital, Sphenoid, Ethmoid, Cranial bones, Facial bones.

No	Keterangan	Pembahasan
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Bone

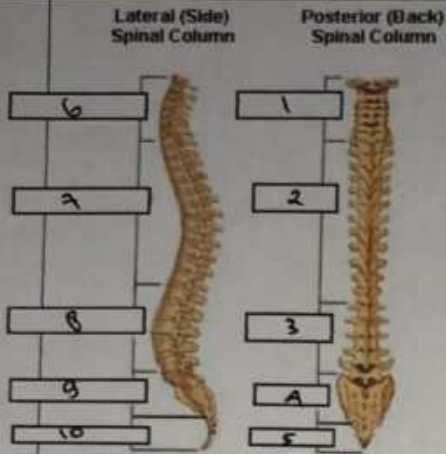
1 Frontal bone
 2 Sphenoid bone
 3 Ethmoid bone
 4 Nasal bone
 5 Lacrimal bone
 6 Maxilla
 7 Zygomatic bone
 8 Vomer
 9 Mandible
 10 Sphenoid bone
 11 Zygomatic bone
 12 Vomer
 13 Mandible

Sutural bone
 Occipital bone
 Temporal bone

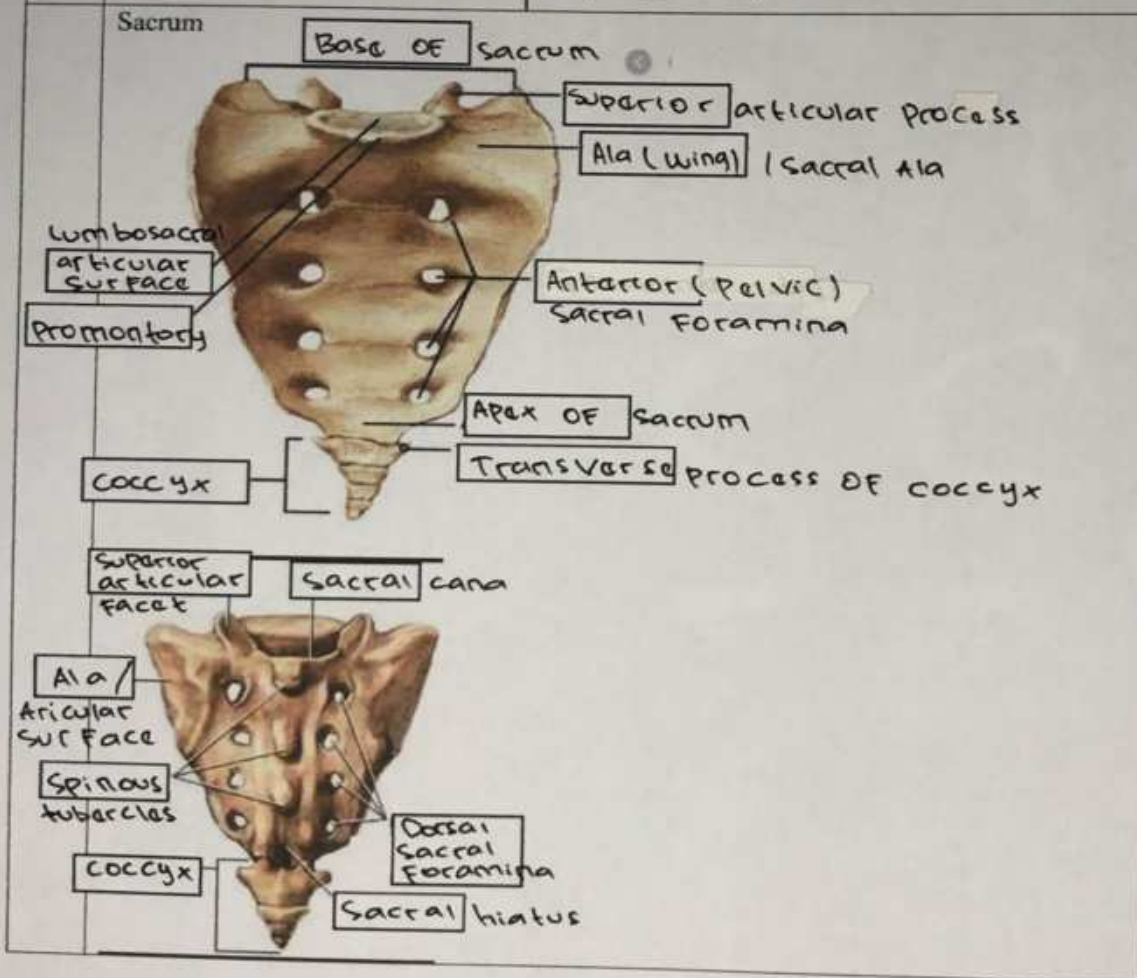
1 Sternal notch
 2 clavicular notch
 3 costal notch
 4 Sternal angle
 5 manubrium
 6 sternum
 7 xiphoid process
 8 Costal notch
 9 Costal cartilages
 10 Floating ribs
 11 True ribs
 12 False ribs

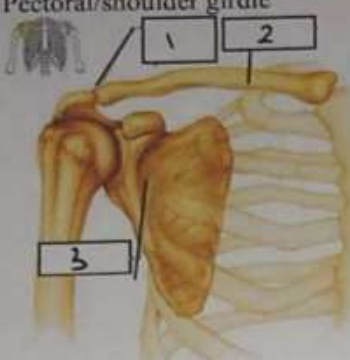
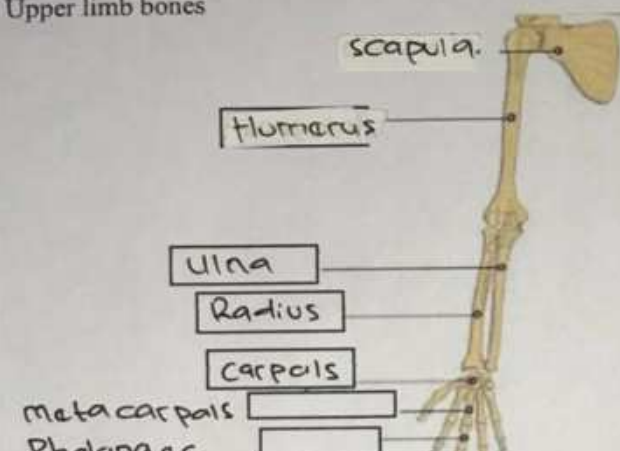
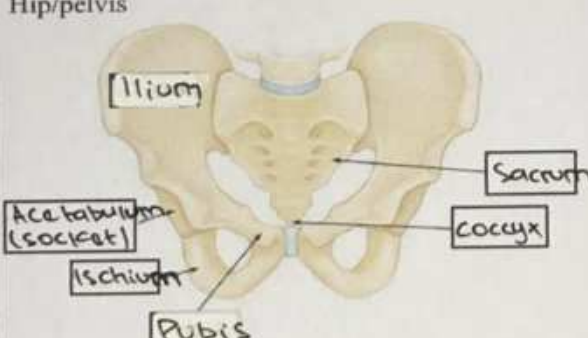
[True ribs (1-7)]
 [False ribs (8-12)]
 [Floating ribs]
 [Thoracic vertebra]
 [Body of sternum]

No	Keterangan	Pembahasan
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- 1) Cervical curvature
- 2) Thoracic curvature
- 3) Lumbar curvature
- 4) Sacral curvature
- 5) Coccyx
- 6) 7. Cervical vertebrae
- 7) 12. thoracic vertebrae
- 8) 5 lumbar vertebrae
- 9) Sacrum
- 10) coccyx



No	Keterangan	Pembahasan
	Pectoral/shoulder girdle 	1) Acromioclavicular joint 2) clavicle 3) Scapula
	Upper limb bones 	
	Hip/pelvis 	<div data-bbox="938 1249 1273 1615" style="border: 1px solid black; padding: 5px;"> <p>Os coxae terdiri dari <u>Os Ilium</u>, <u>Os ischium</u> dan <u>Os Pubis</u></p> </div>

No	Keterangan	Pembahasan
	<p>A: Ilium B: Inferior gluteal line C: Greater sciatic notch D: Ischial tuberosity E: Ischium F: Obturator of pubis G: Inferior ramus of pubis H: Pubis I: Acetabulum J: Anterior inferior iliac spine K: Anterior superior iliac spine L: Ala</p>	<p>1) Iliac crest 2) Ilium 3) Anterior superior iliac spine 4) Acetabulum 5) Pubic tubercle 6) Pubic symphysis 7) Ischiopubic ramus / inferior pubic ramus 8) Tubercle of iliac crest 9) Pubic bone 10) Pubic crest 11) Obturator foramen 12) Ischium / ischial tuberosity</p>
	<p>Lower limb bones</p> <p>Ilium Pubis Ischium Acetabulum Head of Femur Neck Greater trochanter Lesser trochanter Femur Patella Head of Fibula Fibula Tibia Tarsals / Tarsalia Metatarsals Phalanges / phalangea</p>	

- A. Ilium
- B. Inferior gluteal line
- C. Greater sciatic notch
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- E. Ischium
- F. Obturator of pubis
- G. Inferior ramus of pubis
- H. Pubis
- I. Acetabulum
- J. Anterior inferior iliac spine
- K. Anterior superior iliac spine
- L. Ala

- 1) Iliac crest
- 2) Ilium
- 3) Anterior superior iliac spine
- 4) Acetabulum
- 5) Pubic tubercle
- 6) Pubic symphysis
- 7) Ischiopubic ramus / inferior pubic ramus
- 8) Tubercle of iliac crest
- 9) Pubic bone
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