

**WORKSHEETS (LEMBAR KERJA)**

Mata Kuliah	: Anatomi
Materi	: Musculoskeletal
NIM>Nama Mahasiswa	: 2110101118/SUCI RAMADHINNA

No	Keterangan	Pembahasan
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1	Jumlah tulang manusia : <del>206</del> Tulang Terdiri atas :.....	<ul style="list-style-type: none"> <li>▶ Tulang tengkorak / cranium 8 buah</li> <li>▶ Tulang wajah 14 buah</li> <li>▶ Tulang telinga dalam 6 buah</li> <li>▶ Tulang lidah 1 buah</li> <li>▶ Tulang dada 25 buah</li> <li>▶ Tulang belakang dan pelvis 26 buah</li> </ul> <ul style="list-style-type: none"> <li>▶ Tulang ekstremitas atas 64 buah</li> <li>▶ Tulang ekstremitas bawah 62 buah</li> </ul>
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2	Jelaskan klasifikasi Tulang menurut bentuknya	<ul style="list-style-type: none"> <li>▶ <u>ossa longa</u> (tulang panjang)                     <ul style="list-style-type: none"> <li>• tulang yang ukuran panjangnya terbesar</li> <li>• ex : os humerus</li> </ul> </li> <li>▶ <u>ossa brevia</u> (tulang pendek)                     <ul style="list-style-type: none"> <li>• tulang yg ketiga ukurannya kira-kira sama besar</li> <li>• ex : ossa carpi</li> </ul> </li> <li>▶ <u>ossa plana</u> (tulang gepeng / pipih)                     <ul style="list-style-type: none"> <li>• tulang yang ukuran lebarnya terbesar . ex : os parietale</li> </ul> </li> </ul> <ul style="list-style-type: none"> <li>▶ <u>ossa irregular</u> (tulang tak beraturan)                     <ul style="list-style-type: none"> <li>ex : os sphenoidale</li> </ul> </li> <li>▶ <u>Ossa pneumatica</u> (tulang berongga udara)                     <ul style="list-style-type: none"> <li>ex : os maxilla</li> </ul> </li> </ul>
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3	Sistem skeletal	<table border="1"> <thead> <tr> <th>Axial sceleton</th> <th>Apendicular sceleton</th> </tr> </thead> <tbody> <tr> <td>skull</td> <td>supporting bones</td> </tr> <tr> <td>sternum</td> <td>upper limb bones</td> </tr> <tr> <td>ribs</td> <td>supporting bones (hip)</td> </tr> <tr> <td>vertebrae</td> <td>lower limb bones</td> </tr> <tr> <td>sacrum</td> <td></td> </tr> </tbody> </table>	Axial sceleton	Apendicular sceleton	skull	supporting bones	sternum	upper limb bones	ribs	supporting bones (hip)	vertebrae	lower limb bones	sacrum	
Axial sceleton	Apendicular sceleton													
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sacrum														

4	Jelaskan fungsi sendi dan contohnya	<p>Fungsi sendi dapat berupa menghubungkan dua tulang, memberi struktur serta membantu otot untuk menggerakkan tulang.</p> <p>contohnya =&gt; sendi sinartosis sendi amphiartrosis sendi diartrosis</p>
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5

**Cranium**

frontal bone, parietal bone, temporal bone, occipital bone, sphenoid bone, ethmoid bone

cranial bones, facial bones

**8 Cranial Bones**

No	Keterangan	Pembahasan
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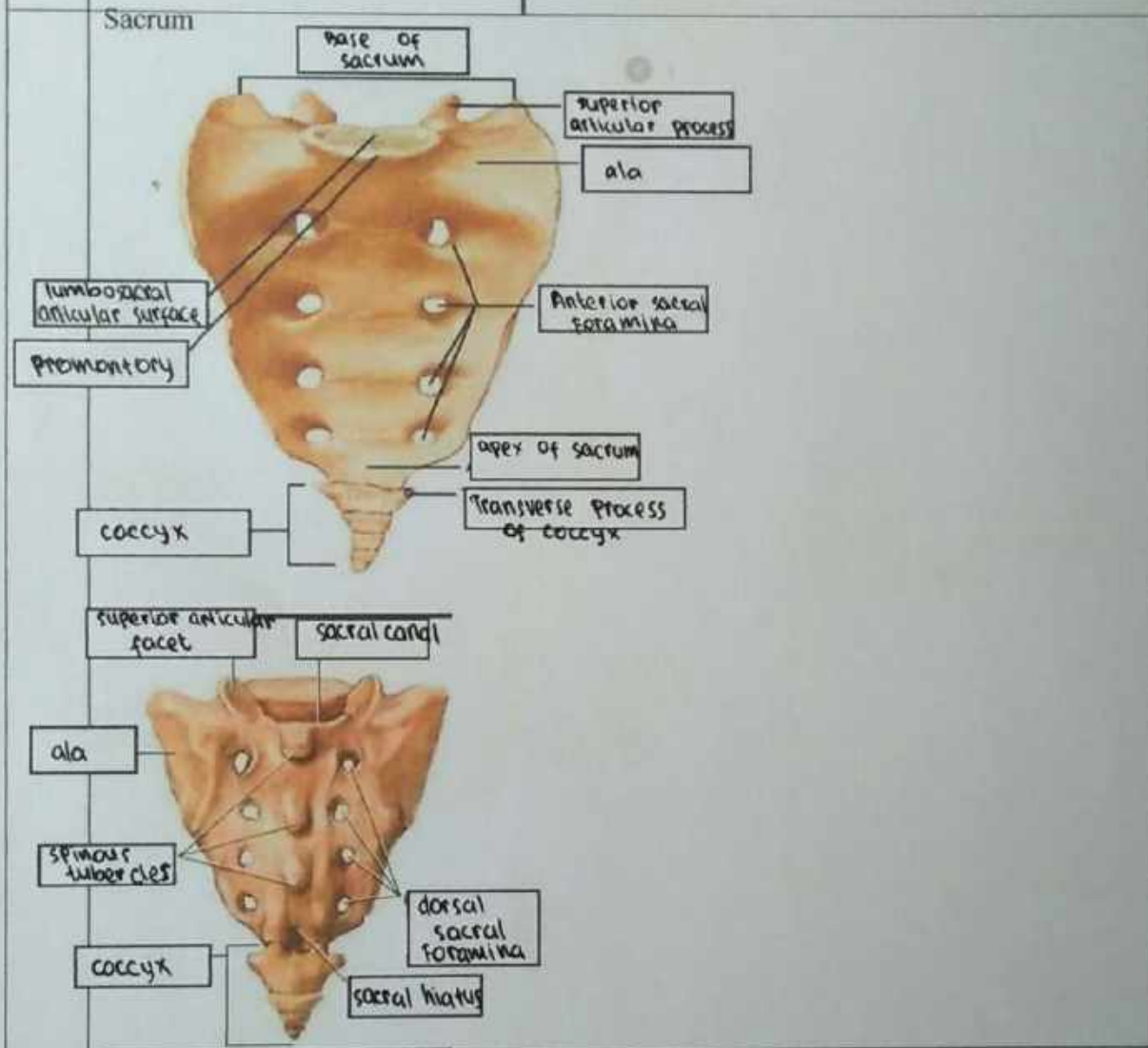
1. bone  
 2. sutural bone  
 3. occipital bone  
 4. temporal bone  
 5. frontal bone  
 6. sphenoid bone  
 7. ethmoid bone  
 8. nasal bone  
 9. lacrimal bone  
 10. maxilla bone  
 11. zygomatic bone  
 12. vomer  
 13. mandible

True ribs (1-7)  
 False ribs (8-12)  
 Floating ribs 11-12

sternal notch  
 clavicular notch  
 costal notch  
 sternal angle  
 manubrium  
 body  
 sternum  
 xiphoid process  
 costal notch  
 costal cartilages

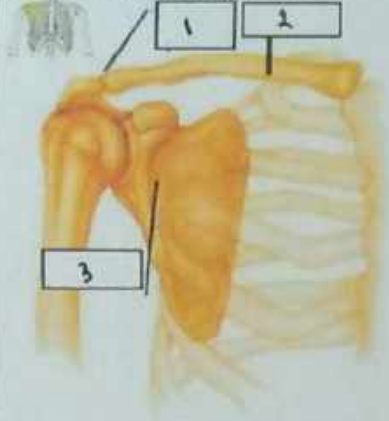
Thoracic vertebra  
 manubrium  
 Vertebrocostal  
 Vertebrochondral  
 costal cartilage

No	Keterangan	Pembahasan
	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Lateral (Side) Spinal Column</p> </div> <div style="text-align: center;"> <p>Posterior (Back) Spinal Column</p> </div> </div>	<ol style="list-style-type: none"> <li>1. Cervical curvature</li> <li>2. Thoracic curvature</li> <li>3. Lumbar curvature</li> <li>4. Sacral curvature</li> <li>5. coccyx</li> <li>6. 7 cervical vertebrae</li> <li>7. 12 thoracic vertebrae</li> <li>8. 5 lumbar vertebrae</li> <li>9. sacrum</li> <li>10. coccyx</li> </ol>



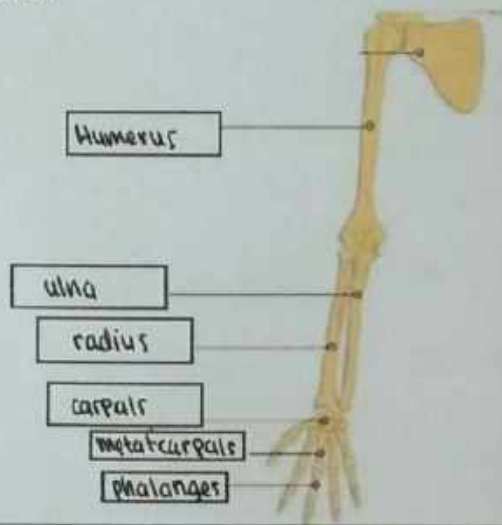
No	Keterangan	Pembahasan
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Pectoral/shoulder girdle

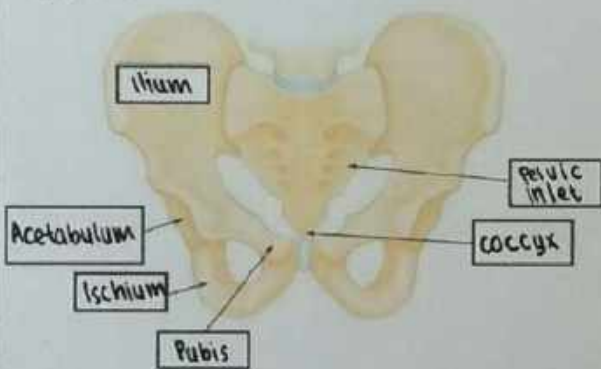


1. Acromioclavicular joint
2. Clavicle
3. scapula

Upper limb bones

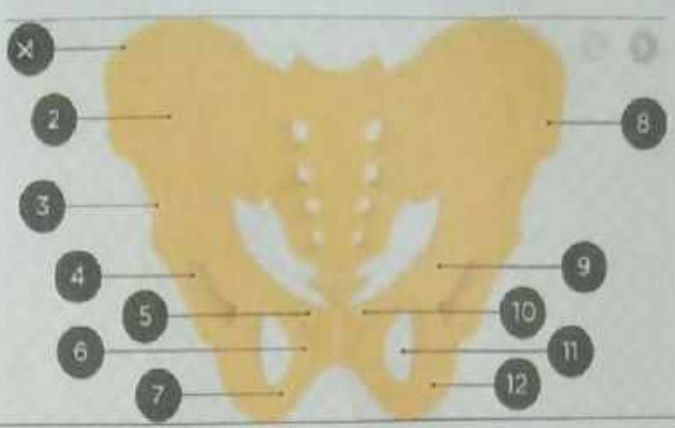
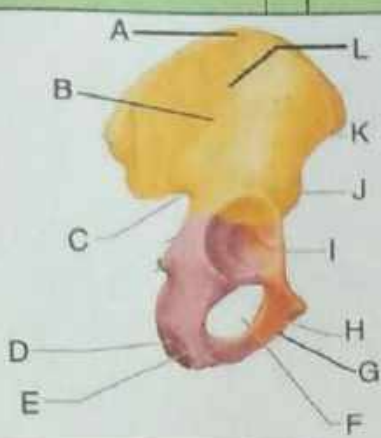


Hip/pelvis



Os coxae terdiri dari os ilium, os ischium dan os pubis.

No	Keterangan	Pembahasan
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- A. Iliac crest
- B. Anterior gluteal line
- C. Greater sciatic notch
- D. Ischial tuberosity
- E. Ischial ramus
- F. Obturator foramen
- G. Inferior ramus of pubis
- H. Pubic tubercle
- I. Acetabulum
- J. Anterior inferior iliac spine
- K. Anterior superior iliac spine
- L. ala

Lower limb bones



- 1. Iliac crest
- 2. Ilium
- 3. Anterior superior iliac spine
- 4. Acetabulum
- 5. Pubic crest
- 6. Pubic symphysis
- 7. Ischium
- 8. Crista iliaca
- 9. Pubis
- 10. Tuberculum pubicum
- 11. Obturator foramen
- 12. Ramus superior ossis pubis

Os femur

Patella

Head of fibula

Os fibula

Os tibia

7 Tarsal

5 Meta tarsal

14 Phalangea