# Cheatography

# Thorax Cheat Sheet by Chrisna via cheatography.com/201807/cs/42757/

#### Thoracic cavity compartments

Left pulmonary cavity

Mediastinum

Right pulmonary cavity

#### Sternum

Manubrium	T1-T4
Body	T5-T9
Xiphoid process	T10

The junction of the manubriosternal joint forms the **sternal angle** of Louis, the plane of which lies between T4 and T5.

Many important events occur at this angle:

- 1. Beginning and end of aortic arch
- 2. Tracheal bifurcation
- 3. Confluence of azygous vein and SVC
- 4. Thoracic ducts deviates left
- 5. Ligamentum arteriosum lies on this plane
- 6. Division of pulmonary trunk
- 7. Location of cardiac plexus

### Function of Thorax

#### Protection

#### Support

**Provides attachment** for muscles of upper limb, abdomen, neck, back and respiration

**Provides mechanics for breathing** and resists negative internal pressures created by the elastic recoil of the lungs and inspiratory movements

Vertebral Features	
Bilateral costal facets	Articulates with heads of ribs
Costal facets on transverse processes	Articulates with tubercles of ribs

By Chrisna cheatography.com/chrisna/ Vertebral Features (cont)

		. ,
Spinous processes	Slope inferiorly and overlap with vertebra below and thus cover the intervals between the laminae of the adjacent vertebra which prevents sharp objects from entering the vertebral canal and injuring the spinal cord	
Rib Types		
True	1-	Attach directly to
(verte-	7th	sternum through their
broste-		own costal cartilages
rnal)		(vertebrae to sternum)
ribs		
False	8-	Attach indirectly to
(verte-	10th	sternum via cartilage of
brocho-		rib above them
ndral)		(vertebrae to cartilage)

# nation nation nation in the sternum *(vertebrae only)* Sp thu

Interior of ribs is red bone marrow (hematopoietic tissue) which forms blood cells

ribs

Floating

(verte-

bral)

ribs

## **Rib Classification**

Typical	3-9th	Have a <b>head</b> (has 2
ribs		facets), <b>neck</b> , <b>tubercle</b>
		(smooth articular
		surface for articulation
		with transverse process
		of vertebra and rough
		articular surface for
		attachment of costot-
		ransverse ligament),
		body (with costal
		groove which gives
		protection to intercostal
		nerve and vessels).
Atypical	1,2,10	Lack either one or more
ribs	,11,12-	of the features of typical
	th	ribs
		1.6 . 4

The intercostal spaces are named for the rib number forming the superior border, and the intercostal blood vessels and nerves are named for the intercostal space number in which they are found.

Space below the 12th rib: subcostal space, thus T12 is the subcostal nerve.

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