



# THE GOOFY ANATOMIST QUIZZES

## 1. BONES AND BOUNDARIES

Q1. Which of the following are true ribs?

- A. Ribs 1, 2, 11 and 12.
- B. Ribs 1, 3, 5, 7, 9, 11.
- C. Ribs 1, 2, 3, 4, 5, 6, 7, 8.
- D. Ribs 1, 2, 3, 4, 5, 6, 7.

Q2. Which of the following statements concerning the bones of the thorax is true?

- A. The aortic arch lies immediately posterior to the xiphoid process.
- B. Rib 5 articulates with the bodies of the T5 and T6 vertebrae.
- C. The manubriosternal joint is classified as a symphysis joint.
- D. The neck of rib 7 articulates with the transverse process of the T7 vertebrae.

Q3. Which of the following statements concerning the bones of the thorax is true?

- A. Expansion of the thoracic cavity is greatly facilitated by the chondrosternal joints.
- B. Expansion of the thoracic cavity is greatly facilitated by the costochondral joints.
- C. The ribs move downwards and outwards during inspiration.
- D. None of the answers provided.

Q4. Which of the following statements is false?

- A. The fifth rib articulates with the transverse process of T5.
- B. The eighth rib articulates with the vertebral bodies of T7 and T8.
- C. The third rib articulates with the vertebral bodies of T4 and T3.
- E. The seventh rib articulates with the vertebral bodies of T7 and T6.

Q5. Identify the only correct statement below.

- A. Rib 1 articulates with the sternal body.
- B. Rib 3 articulates with the sternal body.
- C. The costal cartilage of rib 1 articulates with the sternal body.
- D. The costal cartilage of rib 3 articulates with the sternal body.

Q6. Which of the following ribs are 'typical' ribs?

- A. Ribs 1, 2, 11 and 12.
- B. Ribs 3 – 9.
- C. Ribs 1 – 10.
- D. Ribs 8 – 12.

Q7. Where is the jugular notch found?

- A. On the manubrium.
- B. On the sternal body.
- C. On the xiphoid process.
- D. On the first – seventh costal cartilages.

Q8. How many articulations (when counting demi-facets as individual articulations) are present on the posterior part of a typical rib?

- A. 1.
- B. 2.
- C. 3.
- D. 4.

Q9. Rib 2 articulates with...?

- A. T1 and T2.
- B. T2 and T3.
- C. T1 only.
- D. T2 only.

Q10. The transverse costal facet of T5 articulates with...?

- A. The transverse process of rib 6.
- B. The tubercle of rib 5.
- C. The neck of rib 5.
- D. None of the above.

## Answers

Q1. Which of the following are true ribs?

- A. Ribs 1, 2, 11 and 12.
- B. Ribs 1, 3, 5, 7, 9, 11.
- C. Ribs 1, 2, 3, 4, 5, 6, 7, 8.
- D. Ribs 1, 2, 3, 4, 5, 6, 7.**

**Ribs 1 – 7 are true, Ribs 8 – 10 are false, Ribs 11 and 12 are floating.**

Q2. Which of the following statements concerning the bones of the thorax is true?

- A. The aortic arch lies immediately posterior to the xiphoid process.
- B. Rib 5 articulates with the bodies of the T5 and T6 vertebrae.
- C. The manubriosternal joint is classified as a symphysis joint.**
- D. The neck of rib 7 articulates with the transverse process of the T7 vertebrae.

**It can't be A, because the aortic arch lies posterior to the manubrium. Can't be B, because rib 5 articulates with T4 and T5. Can't be D, because tubercle of rib articulate with transverse process of T7.**

Q3. Which of the following statements concerning the bones of the thorax is true?

- A. Expansion of the thoracic cavity is greatly facilitated by the chondrosternal joints.**
- B. Expansion of the thoracic cavity is greatly facilitated by the costochondral joints.
- C. The ribs move downwards and outwards during inspiration.
- D. None of the answers provided.

**Can't be B, because costochondral joints provide have very little movement. Can't be C, because the ribs move upwards and outwards during inspiration.**

Q4. Which of the following statements is false?

- A. The fifth rib articulates with the transverse process of T5.
- B. The eighth rib articulates with the vertebral bodies of T7 and T8.
- C. The third rib articulates with the vertebral bodies of T4 and T3.
- E. The seventh rib articulates with the vertebral bodies of T7 and T6.

**C is incorrect – the third rib actually articulates with T3 and T2.**

Q5. Identify the only correct statement below.

- A. Rib 1 articulates with the sternal body.
- B. Rib 3 articulates with the sternal body.
- C. The costal cartilage of rib 1 articulates with the sternal body.
- D. The costal cartilage of rib 3 articulates with the sternal body.**

**Can't be A, because the costal cartilage of rib 1 articulates with the manubrium. Can't be B, because the costal cartilage of rib 3 articulates with the sternal body. Can't be C, because the costal cartilage of rib 1 articulates with the manubrium.**

Q6. Which of the following ribs are 'typical' ribs?

- A. Ribs 1, 2, 11 and 12.
- B. Ribs 3 – 9.**
- C. Ribs 1 – 10.
- D. Ribs 8 – 12.

**Ribs 3 – 9 are typical, and ribs 1, 2, 10, 11 and 12 are atypical.**

Q7. Where is the jugular notch found?

- A. On the manubrium.**
- B. On the sternal body.
- C. On the xiphoid process.
- D. On the first – seventh costal cartilages.

**The jugular notch is the u-shaped dip in the manubrium of the sternum.**

Q8. How many articulations (when counting demi-facets as individual articulations) are present on the posterior part of a typical rib?

- A. 1.
- B. 2.
- C. 3.**
- D. 4.

**There are 3 – a demi-articulation on the superior part of the head of the rib; a demi-articulation on the inferior part of the head of the rib; an articulation on the tubercle of the rib.**

Q9. Rib 2 articulates with...?

- A. T1 and T2.
- B. T2 and T3.
- C. T1 only.
- D. T2 only.**

**Rib 2 is atypical and articulates with T2 only.**

Q10. The transverse costal facet of T5 articulates with...?

- A. The transverse process of rib 6.
- B. The tubercle of rib 5.**
- C. The neck of rib 5.
- D. None of the above.

**Can't be A because there is no such thing as a transverse process of a rib, and C and D are wrong.**