

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 9 articulates with...?

- A. T8 and T9.
- B. T7 and T8.
- C. T10 only.
- D. T9 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 9 articulates with...?

- A. T8 and T9.**
- B. T7 and T8.
- C. T10 only.
- D. T9 only.

Rib 9 is typical and articulates with the vertebra at its level and the vertebra above.

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.