

Advanced Anatomy Knowledge Assessment

Anatomy · Answer Key · 8 Questions

1. Which cranial nerve is primarily responsible for conveying sensory information from the anterior two-thirds of the tongue?

- A) Glossopharyngeal nerve (CN IX)
- B) Vagus nerve (CN X)
- C) Facial nerve (CN VII)**
- D) Hypoglossal nerve (CN XII)

2. The celiac trunk, a major arterial branch of the abdominal aorta, supplies blood to which of the following organs?

- A) Spleen, pancreas, and small intestine
- B) Liver, gallbladder, and stomach
- C) Stomach, spleen, and liver**
- D) Pancreas, small intestine, and kidneys

3. What is the primary function of the Peyer's patches, which are lymphoid tissues found in the wall of the small intestine?

- A) Absorption of dietary fats
- B) Production of digestive enzymes
- C) Immune surveillance and defense**
- D) Mechanical breakdown of food

4. The lesser saphenous vein typically drains into which larger vein?

- A) Femoral vein
- B) Great saphenous vein
- C) Popliteal vein**
- D) Inferior vena cava

5. Which hormone is produced by the parafollicular cells (C cells) of the thyroid gland?

- A) Thyroxine (T4)
- B) Triiodothyronine (T3)
- C) Calcitonin**
- D) Parathyroid hormone (PTH)

6. The ligamentum teres hepatis is the remnant of which fetal structure?

- A) Ductus venosus
- B) Umbilical vein**
- C) Allantois
- D) Vitelline duct

7. What is the anatomical term for the space between the vocal cords?

- A) Glottis**
- B) Larynx
- C) Pharynx
- D) Epiglottis

8. Which bone articulates with the talus at the ankle joint?

- A) Calcaneus
- B) Navicular bone
- C) Tibia**
- D) Fibula