

DHO Health Science Practice Test (Sample)

Study Guide



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Questions

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- 1. Which dental term includes the teeth at the back of the mouth?**
 - A. Incisors**
 - B. Bicuspid**
 - C. Molars**
 - D. Posterior teeth**

- 2. What term is used to indicate the displacement of a bone at a joint?**
 - A. subluxation**
 - B. dislocation**
 - C. fracture**
 - D. separation**

- 3. Which branch of dentistry focuses on constructing artificial appliances for the mouth?**
 - A. Periodontics**
 - B. Orthodontics**
 - C. Prosthodontics**
 - D. Endodontics**

- 4. What is the action called when the angle between two body parts decreases, such as bending a limb?**
 - A. Extension**
 - B. Flexion**
 - C. Abduction**
 - D. Adduction**

- 5. What condition does uremia indicate?**
 - A. Excessive levels of glucose in the blood**
 - B. Excessive amounts of urea in the blood**
 - C. Insufficient blood flow to the kidneys**
 - D. Low levels of red blood cells in the body**

6. What type of bank record outlines all deposits and checks to be placed in an account?

- A. Transaction log**
- B. Deposit slip**
- C. Bank statement**
- D. Account ledger**

7. Which of these terms is not a type of tumor?

- A. Carcinoma**
- B. Adenoma**
- C. Sarcoma**
- D. Neurosis**

8. What term describes the field that pertains to the heart and blood vessels?

- A. Cardiology**
- B. Cardiovascular**
- C. Vascular Health**
- D. Angiology**

9. What does 'invasion of privacy' refer to in a medical context?

- A. Sharing medical records**
- B. Revealing personal information without consent**
- C. Conducting medical procedures**
- D. Providing patient care**

10. What term is used to refer to appliances manufactured to assist with teeth alignment?

- A. Braces**
- B. Retainers**
- C. Orthodontic appliances**
- D. Dentures**

Answers

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1. D
2. B
3. C
4. B
5. B
6. B
7. D
8. B
9. B
10. C

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Explanations

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1. Which dental term includes the teeth at the back of the mouth?

- A. Incisors**
- B. Bicuspid**
- C. Molars**
- D. Posterior teeth**

The term that encompasses the teeth located at the back of the mouth is "posterior teeth." This classification specifically refers to the molars and premolars, which are situated toward the rear of the dental arch. These teeth are important for various functions, primarily for grinding and chewing food due to their larger and flatter surfaces compared to the teeth at the front. In contrast, incisors are located at the front of the mouth and are primarily designed for cutting food. Bicuspid, also known as premolars, are located behind the incisors but in front of the molars. While bicuspids do contribute to the back teeth category, "posterior teeth" is a broader term that includes both molars and bicuspids, making it more accurate in this context. Thus, "posterior teeth" effectively captures the entirety of the teeth at the back of the mouth.

2. What term is used to indicate the displacement of a bone at a joint?

- A. subluxation**
- B. dislocation**
- C. fracture**
- D. separation**

The term that indicates the displacement of a bone at a joint is dislocation. Dislocation occurs when the bones that form a joint become separated from their normal position, leading to a complete loss of contact between the bony surfaces. This condition can cause significant pain, swelling, and loss of function in the affected joint. Understanding this term is crucial in the field of health sciences, particularly in orthopedics and emergency medicine, as it helps in diagnosing and treating joint injuries. Dislocations typically require medical intervention to realign the bones properly and prevent long-term complications such as joint instability or arthritis. While subluxation refers to a partial dislocation where the bone is not completely out of the joint, and a fracture involves a break in the bone itself, separation generally describes a condition involving the ligaments or soft tissues rather than the bones at the joint.

3. Which branch of dentistry focuses on constructing artificial appliances for the mouth?

- A. Periodontics**
- B. Orthodontics**
- C. Prosthodontics**
- D. Endodontics**

Prosthodontics is the branch of dentistry that specializes in the design, creation, and fitting of artificial appliances for the mouth. This field encompasses a variety of restorative procedures including the development of dentures, crowns, bridges, and implants, which are essential for restoring dental function and aesthetics for patients who have lost teeth due to various reasons such as decay, injury, or congenital conditions. Prosthodontists are skilled in transforming the appearance of a patient's smile as well as ensuring proper functionality, allowing for improved chewing and speaking ability. The use of advanced materials and techniques in prosthodontics contributes significantly to the quality of life for individuals who require these dental interventions.

4. What is the action called when the angle between two body parts decreases, such as bending a limb?

- A. Extension**
- B. Flexion**
- C. Abduction**
- D. Adduction**

The action in which the angle between two body parts decreases is known as flexion. This occurs when a joint is bent, bringing two bones closer together. For example, when you bend your elbow or knee, you are performing flexion at those joints. This movement is essential for many daily activities, such as sitting down, picking up objects, and walking. Understanding flexion is critical in health science because it highlights the ways muscles and joints work together in the body. The opposing action of flexion is extension, which involves straightening a limb or increasing the angle between body parts. This distinction is important for comprehending human movement and for various rehabilitation practices, where strengthening or improving flexibility of muscles involved in these actions may be necessary.

5. What condition does uremia indicate?

- A. Excessive levels of glucose in the blood**
- B. Excessive amounts of urea in the blood**
- C. Insufficient blood flow to the kidneys**
- D. Low levels of red blood cells in the body**

Uremia specifically refers to a medical condition characterized by the accumulation of waste products, particularly urea, in the bloodstream. This typically occurs when the kidneys are unable to adequately filter and excrete these waste products due to impaired kidney function. Urea is a byproduct of protein metabolism, and when it builds up in the blood, it can lead to various symptoms affecting multiple body systems, including nausea, fatigue, and confusion. Therefore, the correct answer highlights the relationship between kidney function and the presence of excessive urea in the blood, which is fundamental to understanding uremia.

6. What type of bank record outlines all deposits and checks to be placed in an account?

- A. Transaction log**
- B. Deposit slip**
- C. Bank statement**
- D. Account ledger**

The deposit slip is a document that outlines the specific details of deposits made into a bank account. It typically includes a list of cash and checks being deposited, along with the total amount being added to the account. This slip serves as a receipt for the transaction and provides clear documentation of the deposits made. In contrast, a transaction log is more of a personal record that details all the transactions, including withdrawals and deposits, over a period of time. A bank statement provides a summary of all transactions—deposits, withdrawals, and any fees—over a set period, but it does not specifically outline just the deposits and checks at the time of the deposit. An account ledger is a record maintained by the account holder that tracks all activities and balances but is not used for processing deposits in the same way a deposit slip does. Thus, the deposit slip specifically caters to outlining the deposits made into an account, making it the most appropriate choice.

7. Which of these terms is not a type of tumor?

- A. Carcinoma**
- B. Adenoma**
- C. Sarcoma**
- D. Neurosis**

The term that is not a type of tumor is neurosis. Neurosis refers to a range of mental health conditions that involve anxiety, depression, and other psychosomatic issues. It does not pertain to abnormal tissue growth or neoplastic processes, unlike the other terms in the list. Carcinoma, adenoma, and sarcoma are all classifications of tumors. Carcinomas are cancers that arise from epithelial cells, which form the skin and the lining of organs and glands. Adenomas are benign tumors that arise from glandular tissue, and they can sometimes give rise to malignant tumors. Sarcomas are cancers that originate in connective tissues, such as bone, muscle, or fat. Understanding this distinction is crucial for recognizing the types of tumors and their implications in health science.

8. What term describes the field that pertains to the heart and blood vessels?

- A. Cardiology**
- B. Cardiovascular**
- C. Vascular Health**
- D. Angiology**

The term that appropriately describes the field related to the heart and blood vessels is "cardiovascular." This term encompasses both the cardiovascular system as a whole, which includes the heart (cardio) and the network of blood vessels (vasculature). It reflects the integration of these components in maintaining blood circulation throughout the body. Understanding cardiovascular health is crucial in addressing a wide range of conditions related to the heart and blood flow, such as heart disease, stroke, and hypertension. Other options may focus on specific aspects of heart and blood vessel health. Cardiology, for instance, specifically refers to the branch of medicine dealing primarily with the diagnosis and treatment of heart disorders. Vascular health tends to relate more narrowly to the conditions affecting blood vessels, while angiography is the study of blood vessels and lymphatic vessels but does not fully encompass the heart's role. These terms highlight important facets of cardiac and vascular studies but do not capture the broader scope intended by the term "cardiovascular."

9. What does 'invasion of privacy' refer to in a medical context?

- A. Sharing medical records**
- B. Revealing personal information without consent**
- C. Conducting medical procedures**
- D. Providing patient care**

In a medical context, 'invasion of privacy' specifically refers to the act of revealing personal information about a patient without their consent. This can include disclosing details regarding a patient's health status, treatment history, or any sensitive data gathered during the course of medical care. Maintaining patient confidentiality is a fundamental principle in healthcare, protecting individuals' rights and ensuring trust in the patient-provider relationship. When personal information is shared without permission, it violates ethical standards and legal regulations, such as the Health Insurance Portability and Accountability Act (HIPAA) in the United States, which safeguards against unauthorized disclosures of health information. Other options, while related to aspects of healthcare, do not encompass the definition of invasion of privacy. Sharing medical records can sometimes be appropriate under certain circumstances with proper consent. Conducting medical procedures and providing patient care are standard practices that do not inherently involve privacy violations unless personal information is mishandled during these processes.

10. What term is used to refer to appliances manufactured to assist with teeth alignment?

- A. Braces**
- B. Retainers**
- C. Orthodontic appliances**
- D. Dentures**

The term "orthodontic appliances" encompasses a range of devices designed to assist in the alignment of teeth and the correction of jaw issues. This includes not only braces, which are a specific type of orthodontic appliance that use brackets and wires to shift teeth into proper position, but also other devices like expanders and aligners. By identifying the broader category of appliances intended for correcting teeth alignment, "orthodontic appliances" captures all methods and tools used in the field of orthodontics. While braces and retainers are specific types of orthodontic appliances, the correct terminology here is more inclusive than these individual options. Retainers, for instance, are used after braces to maintain teeth position, while dentures refer to removable replacements for missing teeth. Therefore, "orthodontic appliances" is the term that accurately describes the category of devices used explicitly for teeth alignment and correction within orthodontics.

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