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| 1. | A small child was being chased by a large dog. Out of fear, the child ran really fast. Which hormone/gland enabled the child to get away from the dog? | Adrenal |
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| 2. | A teenage girl that has undeveloped breasts and has not started her menstrual cycle indicates that a hormone deficiency exists. What hormone is deficient? | Estrogen |
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| 3. | In an emergency situation, the "fight or flight" hormone will increase the heart rate and blood pressure. This hormone is: | Adrenalin |
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| 4. | The endocrine disorder that could be prevented by using iodized salt is: | Hypothyroidism |
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| 5. | Jack complained to his doctor about nervousness and weight loss even though he has had increased food intake. Laboratory tests revealed that Jack had an elevated level of which hormone? | Thyroxin |
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| 6. | The pituitary gland is located: | At the base of the brain |
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| 7. | Hormone release provides immediate body responses because the hormones are directed toward: | Target organ cells |
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| 8. | Terri has an excessive appetite but has trouble gaining weight. She also has exophthalmos. What disorder might she have? | Hyperthyroidism |
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| 9. | Which gland is butterfly-shaped and located in the anterior neck on either side of the larynx? | Thyroid |
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| 10. | Which gland is divided into anterior and posterior lobes? | Pituitary |
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11. The endocrinologist saw a patient whose parents were concerned about their 8 year old child's short stature. The physician suspects that the child may have a deficiency in: Growth hormone
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12. Which gland is posterior to the sternum? Thymus
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13. The obstetrician instructs a new mother about the changes in her body. He/she explains that her breast milk production is the result of: Prolactin
Selected:
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14. On Jeffery's way to work he witnessed a traffic accident. His heart rate increased and his mental alertness improved as he assisted the victims. Jeffery's response resulted from the release of: Epinephrine
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15. The adrenal glands are located directly above the kidneys and are: Divided into the cortex and medulla
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16. Elsa has the appearance of a tan even during the winter months. During a physical exam, she had a low blood pressure and low blood sugar. These symptoms are indicative of: Addison's disease
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17. The patient had two of his parathyroid glands surgically removed. This procedure can lead to a condition characterized by muscle twitching and lead to seizures. The condition that the patient must be aware of is: Tetany
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18. An organ that produces a secretion called hormones is called a: Gland
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19. A 47 year old man went to see his doctor. When re-viewing family pictures, the patient's wife noted that her husband had developed enlarged hands, lips and nose, and that his chin protrudes more than it used to. Following some laboratory studies, the doctor diagnosed the patient with: Acromegaly
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20. A 19 year old male that has not begun to develop chest hair, a deep voice, or increased muscle mass may be deficient in which hormone? Testosterone
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21. The pancreas is also an organ of the: Digestive system
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22. Liver damage, heart disease, testicular changes, and breast growth in males are symptoms of Steroid abuse
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23. Anna began to have contractions of the uterus in preparation for childbirth. What is the name of the hormone that initiated her contractions? Oxytocin
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24. Which endocrine gland contains the Islets of Langerhans? Pancreas
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25. Janie has hyperglycemia and is being treated with insulin. Which of Janie's endocrine glands is functioning inefficiently? Pancreas
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26. Jessica is experiencing hematuria. Which process of urine formation has been ineffective? Filtration
-
27. The functional unit of the kidney is the: Nephron
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28. Nephron



The Bowman's capsule, proximal convoluted tubule, and the Loop of Henle are all parts of a:

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| 29. | The patient in chronic renal failure is treated with hemodialysis. What renal function does hemodialysis replace? | Filtration |
| 30. | The patient sustained an electric shock when he accidentally touched live wires while cleaning up the yard following a severe storm. The shock affected his urinary function and resulted in oliguria and uremia. How will the patient's symptoms be treated if he develops anuria? | Hemodialysis |
| 31. | Dehydration has a direct effect on urine formation. The proximal convoluted tubules are responsible for correcting the water imbalance found with dehydration. What is this process called? | Reabsorption |
| 32. | The student presented at her doctor's office with complaints of dysuria, urinary frequency and lower abdominal discomfort. Upon examination, the doctor discovered that the student's hygiene was inadequate. Which organism MOST LIKELY caused the student's symptoms? | E-coli |
| 33. | Which structure is a hollow muscular sac? | Bladder |
| 34. | Jeremy is on the cross country team at school. He notices that after practice his urine is dark amber colored and he is voiding very small amounts. Jeremy has: | Dehydration |
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35.



	Dialysis involves the use of a device that rids the blood of harmful wastes by passing the blood through:	A semipermeable membrane
36.	Urine leaves the kidney by way of:	Ureter
37.	Mr. Burns had a stroke and has been urinating involuntarily. What is this condition called?	Incontinence
38.	If kidney stones get too large, they can cause severe flank pain and hydronephrosis because they block the:	Ureter
39.	Jack takes his blood pressure medicine every morning. After taking his medicine, he experiences urinary frequency. What type of blood pressure medicine is Jack taking?	Diuretic
40.	The medical term for excessive urination is:	Polyuria
41.	Mr. Gavin has had polyuria for several weeks. When he went to the doctor, his urinalysis was normal. Further studies revealed that Mr. Gavin had a disorder that affected the release of ADH. Which function of the urinary system was affected?	Reabsorption
42.	Excessive substances in urinary filtrate, such as sodium and potassium, lead to their elimination. Which process of elimination is this urinary system function?	Secretion
43.	The integumentary system is the body's first line of defense against harmful substances. This is an example of which function of the integumentary system?	Protection
44.		Dermis



The nerves, blood vessels, and glands are located in which layer of the skin?

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| 45. | The evaporation of perspiration enables which function of the integumentary system? | Regulation of body temperature |
| 46. | The hair follicle originates in which layer of skin? | Dermis layer |
| 47. | Skin conditions caused by contact with allergens, frequent handwashing, or exposure to chemicals are classified as: | Dermatitis |
| 48. | Using a nitroglycerine patch to treat heart disease is an example of which function of the integumentary system? | Absorption |
| 49. | Sebaceous glands produce an increased amount of sebum during adolescence leading to which integumentary system disorder? | Acne |
| 50. | Which disorder can be prevented by not sharing towels and wearing shower shoes in the locker room? | Athlete's foot |
| 51. | Receptors for touch, cold, and pain present in the skin are responsible for which function of the integumentary system? | Sensory perception |
| 52. | The skin disease that is also classified as a sexually transmitted infection is: | Herpes simplex |
| 53. | The outer layer of hair is the: | Cortex |
| 54. | | First degree burn |



On the first sunny day, Jessica went to the lake and forgot to take her sunscreen. She returned home with redness but no blisters. She has a:

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| 55. | The matrix is the nail: | Bed |
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| 56. | Courtney works in the kitchen at her dad's restaurant. She is preparing fries and drops the hot oil on her arm. Immediately a blister forms. She has a: | Second degree burn |
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| 57. | Which fungal disorder can be prevented by practicing good personal hygiene? | Athlete's foot |
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| 58. | The innermost layer of the skin is the: | Subcutaneous |
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| 59. | Melissa's skin lesion has irregular borders, multiple colors, and is increasing in size. She visited a tanning bed frequently in the past. She should be evaluated for: | Melanoma |
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| 60. | A viral lesion that can recur after removal is a: | Wart |
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| 61. | The structure that is an appendage of the skin is: | Hair |
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| 62. | The membrane covering of the brain is known as the: | Meninges |
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| 63. | The nerve cell is a (an) | Neuron |
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| 64. | The brain and the spinal cord are part of the: | Central nervous system |
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| 65. | The part of the brain located below the cerebrum is the: | Cerebellum |
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| 66. | Cranial nerves and spinal nerves are part of the: | Peripheral nervous system |
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67. A patient sustains a fall while getting out of the shower. Tests reveal damage to the inner most meningeal layer. What structure was damaged? Pia Mater
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68. David is experiencing symptoms that include an inability to move and respiratory distress. His doctor is concerned which disorder? Spinal Cord injury
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69. Sue is experiencing tachycardia, and dry mouth following an accident where she sustained an injury. After a few hours, Sue's symptoms disappeared. Which nervous system structures were likely activated? Autonomic nervous system
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70. The lobe of the brain where voluntary muscle movement is coordinated is known as the: Frontal
-
71. Melissa fell off a horse and was paralyzed as a result of significant injury to her spinal cord. Which nervous system was damaged? Central
-
72. Anna is recovering from a fight with Arianne. Anna's breathing is slowing down, her pulse is slowing, and she is fatigued. What part of the nervous system is responsible for these changes? parasympathetic
-
73. A viral disorder that leads to paralysis is rare in the U.S. as a result of our vaccinations. Which disorder is almost eradicated in the United States? Poliomyelitis
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74. Joe, 78 years old, has started having tremors and gait shuffling. His family is worried that he is developing: Parkinson's disease
-
75. Cerebrum



Planning, recalling information, and decision making are all functions of the:

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76. Trey has symptoms of severe headache, nausea and vomiting. At the doctor's office, Trey had a lumbar puncture. His doctor is concerned about which disorder? Meningitis
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77. Amy was in an automobile accident. Her spinal cord was severed and she sustained damage to her brain. The medical staff at the trauma center understands that this substance might leak into surrounding tissues. What is the substance? Cerebrospinal fluid
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78. Jo experienced hallucinations, seizures and temporary loss of consciousness. Her doctor diagnosed the condition following an EEG which showed uncontrolled electrical activity of neurons. With which disorder has Jo been diagnosed? Epilepsy
-
79. Sarah has been diagnosed with bacterial meningitis. She is experiencing a headache, fever, and stiff neck. How will she be treated? Antibiotics
-
80. Liz has trouble with appetite control, temperature regulation, and her weight. Which area of the brain is affected? Hypothalamus
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81. The patient that sustained a spinal cord injury at the T10 level may have paralysis of the legs. This disorder is known as: Paraplegia
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82. Jax is a high school student. He went to the doctor complaining of fatigue. The physician determined that Jax had enlarged lymph nodes in his neck and increased leukocytes. The physician diagnosed Jax with a viral condition called: Mononucleosis
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83. Noah is going to the nurse practitioner to receive his immunization for measles, mumps and rubella. What type of immunity to these diseases will he receive? Artificial acquired immunity
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84. The lymphatic structures that closely parallel veins are called: Lymph vessels
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85. The tiny, oval-shaped lymph structures located throughout the body are known as: Lymph nodes
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86. The lymphatic vessel that collects lymph from the left chest, abdomen and lower limbs is called the: Thoracic duct
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87. As Joe entered college, he developed enlarged lymph nodes that were not painful. He was shocked that he was diagnosed with a cancer called: Hodgkin's disease
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88. After falling to the floor with breathing problems and severe facial swelling the emergency medical team treated Lisa with: Epipen
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89. The largest lymphatic structure is the: Spleen
-
90. North Carolina has strict immunization requirements for students to attend public schools. What benefits do vaccinations provide? Artificial active immunity
-
91. Scleroderma



Jane noticed difficulty moving, difficulty breathing and stiffening of her skin. She was diagnosed with which lymphatic disorder?

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92. Martha has a butterfly rash on her face. This is a classic sign of which lymphatic disorder? Lupus erythematosus
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93. Evelyn recently recovered from a viral illness. She will not have this illness again because she has: Natural acquired immunity
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94. Josie went to the doctor after she noticed a rash every time she ate peanut butter. She was diagnosed with: Hypersensitivity
-
95. Sarah has a fever and a cough. How does her lymphatic system respond to these symptoms? Lymphocyte production
-
96. A lymphatic structure located in the upper left quadrant of the abdomen is called the: Spleen
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97. A unique lymphatic structure that is located above the heart and decreases in size after puberty is the: Thymus gland
-
98. The digestive disorder that could occur if a person abuses alcohol is: Cirrhosis
-
99. Madyson presented in the emergency department with abdominal pain and nausea after eating a meal that was high in fat. Her symptoms indicate a diagnosis of: Cholelithiasis
-
100. Eating a diet high in calcium will improve the health of your bones, teeth, and nervous system as well as: Aid in blood clotting
-
101. Anorexia nervosa



Laura has a poor self-image and refuses to eat. Which digestive disorder is she experiencing?

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| 102. | The digestive system is also known as the: | Alimentary canal |
| 103. | A diabetic patient who has a wound infection that is healing slowly may be started on a diet high in: | Protein |
| 104. | Which organ is an accessory organ of the digestive system? | Gallbladder |
| 105. | Which organ is found in the buccal cavity? | Palate |
| 106. | The teeth and tongue contribute to this function of the digestive system: | Physical breakdown of food |
| 107. | Primary structures of the digestive system include the: | Esophagus |
| 108. | Joe overeats and does not exercise. His BMI is 31. Which digestive condition is Joe experiencing? | Obesity |
| 109. | Paulette has a poor self-image and a fear of getting fat. She frequently binge eats and purges with laxatives and vomiting. Which digestive disorder is she experiencing? | Bulimia Nervosa |
| 110. | The substance that is produced by the liver and aids in digestion of fat is: | Bile |
| 111. | Crohn's disease and ulcerative colitis are similar in that they both are: | Autoimmune disorder |

112.



	Saliva and digestive enzymes are responsible for this function of the digestive system:	Chemical digestion of food
113.	Which structure is found in the abdominal cavity?	Cecum
114.	Digestion of carbohydrates, fats, and proteins is completed and absorption of nutrients occurs in the:	Small intestines
115.	How is chyme different than a bolus?	It is a liquid
116.	The large intestines includes the:	Descending colon
117.	Ashley experiences pain and burning in the epigastric region when she lays flat in bed. This condition improves when she raises the head of her bed. She has: Selected:	Gastroesophageal reflux
118.	The spread of which disorder is characterized by nausea, vomiting, and diarrhea and could be prevented by practicing good handwashing?	Gastroenteritis
119.	Runners who eat pancakes and pasta before a race choose these foods because these foods provide extra:	Energy
120.	How is Hepatitis A different from Hepatitis B?	The patient ate contaminated food and water
121.	The digestive organ responsible for elimination of waste is the:	Large intestine
122.	The digestive organ that is responsible for absorption of nutrients is the:	Small intestines



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123. Which respiratory structure serves as a common passage way for air and food? Pharynx
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124. Jessie was playing outside and started having difficulty breathing. The teacher sends Jessie to the school nurse. The school nurse listens to Jessie with a stethoscope and hears a wheezing noise. What type of disorder may Jessie have? Asthma
-
125. The patient's x-ray revealed fluid in the lungs. The patient was diagnosed with: Pneumonia
-
126. The patient complains of night sweats, fever, weight loss, and blood tinged sputum. What respiratory disorder is the patient experiencing? Tuberculosis
-
127. What function is demonstrated by the diaphragm contracting and moving downward? Inspiration
-
128. The nurse enters the hospital room and finds the patient is not breathing. The patient has: Apnea
-
129. The fatty substance that lines the inner surface of the alveoli is called: Surfactant
-
130. In which body cavity are the lungs located? Thoracic
-
131. During expiration, the diaphragm relaxes creating: A decrease in air volume in the lungs
-
132. The thin, moist, slippery membrane that covers the lungs is called the: Pleura
-
133. Sinusitis



Ashley complained of a runny nose, pressure over the eyes, and a headache. Which respiratory disorder is she experiencing?

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| 134. | Taylor was recently diagnosed with asthma. Today, Taylor is outside playing and you observe her coughing and becoming anxious. What type of treatment would be recommended? | Rescue inhaler |
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| 135. | Which structure extends from the larynx,, in front of the esophagus, and forms the two bronchi? | Trachea |
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| 136. | The respiratory center located in the medulla oblongata will trigger respiration in response to: | Increase in carbon dioxide and decrease in oxygen in the blood |
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| 137. | Which family member is more likely to develop chronic obstructive pulmonary disease? | Uncle John who smokes a pack of cigarettes a day |
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| 138. | The doctor diagnoses Skylar with a common cold but does not give her antibiotics because: | The common cold is viral and antibiotics do not treat viruses |
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| 139. | Our neighbor was diagnosed with emphysema. Emphysema damages the alveoli and they lose their elasticity. The function lost is: | The ability to exhale |
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| 140. | Bradley is in the post anesthesia care unit and has a respiratory rate of 14 breaths per minute. What type of breathing is observed? | Eupnea |
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| 141. | Jordan was diagnosed with influenza. In addition to respiratory symptoms, Jordan may have: | Joint pain |
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142. After a stabbing to the right chest, you observe Sam's chest is only rising on the left side. Sam is experiencing: Pneumothorax
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143. After running a mile, Valencia has a respiratory rate of 25 breaths per minute. What type of breathing is observed? Tachypnea
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144. The following is the correct pathway of air to the lungs: Nose, pharynx, larynx, bronchi, bronchioles, alveoli
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145. What is the normal breaths per minute for an adult?
Selected: 12-20
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146. During a vasectomy what structure is severed to produce sterility in the male? Vas Deferens
-
147. The STD that presents with painful urination, a yellow discharge in males but may have no symptoms in females is: Gonorrhea
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148. The 22 year old patient consulted his physician after noticing scrotal heaviness, back pain and breast development. Upon examination, the physician diagnosed him with: Testicular cancer
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149. Which female reproductive disorder is characterized by abdominal pain, and excessive menstrual bleeding that can lead to permanent damage of the reproductive organs and sterility? Endometriosis
-
150. Menstruation



What term describes the discharge of an unfertilized ovum and degenerated endometrium from the female reproductive tract?

151. Which structure of the male reproductive system surrounds the urethra at the neck of the bladder? Prostate gland

152. Which structure of the female reproductive system contains the ova? Ovary

153. Menopause normally occurs between the ages of forty-five to fifty-five, but can be induced prematurely by which procedure? Oophorectomy

154. Women that are sexual active should have an annual exam and screening for the early detection of cervical cancer. This screening is a: Pap smear

155. Which structure(s) of the male reproductive system are pea-sized and inferior to the prostate? Bulbourethral glands

156. Which structure of the female reproductive system serves as the narrow opening of the uterus that extends into the vagina? Cervix

157. Progesterone supports and helps maintain pregnancy. During which menstrual phase is progesterone produced? Luteal

158. Which structure of the male reproductive system is shared between the urinary and reproductive systems? Urethra

159. Seminal vesicles



Which structure produces secretions that provide nutrients and protection to sperm upon ejaculation?

160. Which structure of the female reproductive system is composed of fat deposits that surround the entrance to the vagina? Labia majora

161. Mandy's grandfather is having difficulty urinating and the doctor says he may have a problem with one of the glands of the male reproductive system. To which gland is the doctor referring? Prostate gland

162. Which 45 centimeter structure of the male reproductive system connects the epididymis to the ejaculatory duct? Vas deferens

163. Jessica recently learned that she is pregnant. She knows that fertilization normally takes place in the oviduct. Which structure functions in this manner? Fallopian tubes

164. Which gland produces fluid that aids in the expulsion of semen and enhances the motility of sperm? Prostate

165. During a course of antibiotics for a urinary tract infection, the patient began to experience vaginal itching, burning, and leukorrhea. The patient exhibited signs of a: Yeast infection

166. Monica is breastfeeding her newborn baby. She notices her left breast is red, tender, and edematous. Which female reproductive disorder is she experiencing? Mastitis

167. Ovulation



During this phase of the menstrual cycle, LH, estrogen and FSH hormones circulate within a female's body. This phase in the menstrual cycle is:

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168. Breast cancer is one of the leading causes of death in women between the ages of 32 and 52. Which procedure may provide early detection and increase life expectancy for women with breast cancer? Mammogram
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169. Which structure of the male reproductive system is suspended in a sac? Testes
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170. Which function of the female reproductive system is demonstrated with menarche? Menstruation
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171. What is the correct pathway for sperm from spermatogenesis to ejaculation? Testes-Epididymis-Vas deferens-Ejaculatory duct-Urethra
-
172. Kelsey has an inflammatory response as a result of tampon misuse. Her symptoms include abdominal tenderness, hypotension, respiratory distress, and renal failure. Which female reproductive disorder is she experiencing? Toxic shock syndrome
-
173. Which structure of the female reproductive system stores the ova? Ovary
-
174. Which structure of the male reproductive system stores sperm and connects to the testes? Epididymis
-
175. The two synthetic hormones that are used in oral contraceptives are: Estrogen and Progesterone
-



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176. After running 1,500 meters, the athlete experienced irregularities in his/her heart rate. This was an indication that the heart rate was altered. What is the medical term for this condition? Arrhythmia
-
177. The lower chambers of the heart are called: Ventricles
-
178. The function of the heart and blood vessels that supplies oxygen and nutrients to the entire body is known as: Systemic circulation
-
179. Which vessel is strong and elastic to undergo increased pressure? Pulmonary artery
-
180. Which heart valve is also known as the "mitral" valve? Bicuspid
-
181. A nursing student observes as the mentor assesses a patient with impaired circulation. To determine if the blood flow to the feet is adequate, the mentor assesses the: Pedal pulse
-
182. Which circulatory disorder indicates an underlying coronary artery process? Angina pectoris
-
183. Electrical stimulation throughout the ventricles is delivered by the: Purkinje fibers
-
184. The patient was admitted to the hospital with ineffective heart function. Which condition may result if the ventricles do not function properly, causing blood to collect in the heart? Heart failure
-
185. Varicose veins



Long periods of standing, and pregnancy are factors that contribute to which vascular disorder that is often seen in the lower legs?

186. Abby went to the emergency room with complaints of chest pain. The diagnostic tests revealed that she had no heart damage. Abby understands that she will be treated for: Angina pectoris

187. Which blood clotting disorder will present a threat of death to the patient as it travels through a blood vessel? Embolism

188. During a routine physical, the doctor discovers that Shirley's systolic blood pressure is 180 and her diastolic blood pressure is 100. Shirley expects she will be treated for: Hypertension

189. Frances was seen at the urgent care center complaining of chest pain. Diagnostic tests revealed that Frances had a heart attack. This is caused by: Coronary artery disease

190. The heart structure that is located between the right upper and the lower chamber is the: tricuspid

191. Following a transient ischemic attack, diagnostic studies showed that the patient had a bulging vessel in the brain that had leaked. The patient's diagnosis was: Aneurysm

192. When blood passes through the pulmonary valve, which vessel does it enter? Pulmonary artery

193. What are the upper chambers of the heart called? Left and right atrium



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194. Following gas exchange in the lungs, the oxygenated blood will enter the: Pulmonary veins
-
195. Deoxygenated blood from the lower body is carried to the heart through the:
Selected: Inferior vena cava
-
196. Deoxygenated blood enters which part of the heart first? Right atrium
-
197. The outer layer of the heart is the: Pericardium
-
198. The thick muscular wall in the heart that separates the right and left sides of the heart is called: Septum
-
199. Which vessel delivers oxygenated blood into systemic circulation? Aorta
-
200. Which vessels connect arterioles to venules where oxygenated and deoxygenated blood exchange occurs? Capillaries
-
201. Oxygen and carbon dioxide are exchanged at the cellular level in which type of blood vessel?
Selected: Capillaries
-
202. The blood vessels that carry deoxygenated blood from the body to the heart are called: Veins
-
203. The function of the heart and blood vessels that supplies oxygen and nutrients to the entire body is known as: Systemic Circulation
-
204. Infection



When a laboratory technician looks at a slide under the microscope and sees numerous white blood cells, which condition is likely?

-
205. If your blood type is AB+ you can donate blood to a person that has blood type: AB+
-
206. An athlete sustained an open wound while on the practice field. A couple of days later the injury appeared red, swollen and was warm to the touch. The injury resulted in which development: Inflammation
-
207. An untreated Rh negative mother is having an Rh positive baby. Which condition might be suspected in the baby? Erythroblastosis fetalis
-
208. A child was admitted to the emergency department with a nosebleed. He was treated by injecting the clotting factor. What was the child's diagnosis? Hemophilia
-
209. Herman, an African American male, is seen by the hematologist complaining of fatigue and joint pain. His doctor notes that Herman's red blood cells have an irregular shape. The doctor suspects a diagnosis of: Sickle cell anemia
-
210. When analyzing a patient's blood sample, the laboratory technician documented clotted blood cells. Which blood components were involved in the process? Thrombocytes
-
211. The blood component that is responsible for transporting oxygen to body cells is? Hemoglobin
-
212. Anemia



Jasmine went to the doctor because of extreme fatigue. Upon laboratory study, the doctor tells Jasmine that she has "low iron". The medical term for this disorder is:

-
213. Michelle's grandmother became dizzy and fainted. Her doctor reports that she had a temporary loss of blood flow to her brain. Michelle expects her grandmother will be treated for: Transient ischemic attack
-
214. Which blood type has no antibodies? Type AB
-
215. Which blood type has "A" antibodies? Type B
-
216. A diet with adequate iron intake is essential for which blood function? Erythropoiesis
-
217. A blood cell that is ameboid, granular or agranular is: Leukocyte
-
218. The patient notices that he has been bruising easily. Laboratory studies indicate that his blood clots very slowly. It is suspected that this patient might have: Hemophilia
-
219. A blood cell that is bi-concave in shape and contains hemoglobin is: Erythrocytes
-
220. The smallest solid components of the blood that are composed of fragments of megakaryocytes are called: Thrombocytes
-
221. Which blood components are easily identified in a centrifuged blood sample? Plasma and erythrocytes
-
222. The liquid portion of the blood that comprises 55% of the blood's volume is called: Plasma
-



223.	The term angio- means:	blood vessel
224.	The term erythro- means:	Red
225.	The term hemo- means:	Blood
226.	The term leuko- means:	White
227.	The term -sclerosis means:	Hardening
228.	The term -thrombo means:	Clot
229.	The term -penia means:	Deficiency
230.	Sitting erect in your desk and walking without hunching demonstrates which muscular system function?	Posture
231.	Cory stretches every night after running. What is his desired outcome?	Extensibility
232.	Jim lifts weights daily. He has a bulging through a weak abdominal muscle. What is his diagnosis?	Hernia
233.	The muscle that helps control breathing is the:	Diaphragm
234.	Jenn is 44 years old. She has fluctuating weakness around her eyes, difficulty chewing and difficulty swallowing. The doctor diagnoses Jenn with an autoimmune disorder that has no cure. These symptoms describe: Selected:	Myasthenia gravis
235.	Regular exercise and training will:	Improve muscle tone
236.	Which muscle is located in the head?	Zygomaticus major



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237. What condition may be caused by a puncture wound? Tetanus
-
238. What is the main muscle of the lower back? Latissimus dorsi
-
239. Madeline's leg has been in a cast for four weeks due to a fracture. Her physician ordered physical therapy after the cast was removed. Why would the physician order therapy? Physical therapy will treat: Muscle atrophy
-
240. Janet has muscle pain, fatigue, sleeping difficulties, depression and exercise intolerance. Her doctor has prescribed only symptomatic treatment and states that this disorder is most common in women. Janet's diagnosis is most likely: Fibromyalgia
-
241. Which is a muscle of the arm? Triceps brachii
-
242. Jonathan works out at the gym 3 or 4 times a week. He can lift more weight than any of his classmates. What term would describe Jonathan's muscles? Muscular hypertrophy
-
243. Which muscle is located between the ribs? Intercostals
-
244. The ability of the muscle to stretch and then return to its original shape is called: Elasticity
-
245. Which muscle is on the posterior lower leg? Gastrocnemius
-
246. Which body structure is made up of smooth muscle? Stomach wall
-
247. Exercising for prolonged periods of time without adequate rest would cause a(n): Buildup of lactic acid
-
248. Where is the sternocleidomastoid located? Neck
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| 249. | Muscles are connected to bones by: | Tendons |
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| 250. | Injury to a muscle which involves tearing and bleeding of the muscle is called (a): | Strain |
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| 251. | When Hayden flexes his bicep, what characteristic of muscles describes what is happening to his bicep? | Contractibility |
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| 252. | You are sitting on your: | Gluteus maximus |
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| 253. | The muscle that helps to raise the mandible and assists with chewing is the: | Masseter |
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| 254. | Where is the gastrocnemius located? | Calf |
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| 255. | The axial skeleton includes bones of the: | Skull |
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| 256. | Which important function of long bones is related to the production of healthy blood cells? | Hemopoiesis |
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| 257. | What type of joint is the elbow? | Hinge |
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| 258. | Joyce is an 80 year old woman with stiff and painful joints caused by loss of articular cartilage from normal wear and tear. She suffers from: | Osteoarthritis |
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| 259. | Tisha's grandmother use to be taller than all of her sisters. Now she is shorter and recently fell and fractured her hip. What disorder would cause these symptoms? | Osteoporosis |
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| 260. | Major organs of the body are located within the skull, ribs, and pelvis. What function of the skeletal system are these bones performing? | Protection |
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261. Students often have poor posture while sitting at their computers. This posture includes rounded shoulders, head forward, and hunchback. These symptoms describe: Kyphosis
-
262. The shaft of the long bone is the: Diaphysis
-
263. The bone forming cells are the: Osteoblast
-
264. Rachel has unequal leg lengths and one shoulder is higher than the other. This uneven posture is causing an abnormal side to side curvature of the spine. Rachel's diagnosis is: Scoliosis
-
265. Cindy has a dislocated shoulder. Her doctor has recommended six weeks of physical therapy. This will impact which function of the skeletal system? Movement
-
266. David has uric acid crystal deposits in his joints and has pain in his great toe. These are symptoms of: Gout
-
267. Jake, a one year old, fell on outstretched arms while running in the play area at the daycare center. He has pain and swelling in his lower right arm. X-rays reveal an incomplete separation of his bone. What type of fracture does Jake have? Greenstick
-
268. The inner lining of the long bone is the: Endosteum
-
269. The end of the long bone is the: Epiphysis
-
270. Liza was involved in a car accident. She has a bleeding wound on her lower left leg with the ends of the bone showing. What type of fracture is this? Compound



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271. The two main minerals that are stored in the bones: Calcium and Phosphorous
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272. The outer covering of the bone is the: Periosteum
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273. The medical term for the baby's soft spots is the: Fontanel
-
274. The type of arthritis that affects the connective tissue and is caused by an autoimmune disorder is: Rheumatoid arthritis
-
275. Where is the vertebral foramen located? Opening in the vertebrae where the spinal cord goes
-
276. The formation of red blood cells in the red bone marrow of the epiphysis is called: Hemopoiesis
-
277. The only movable bone in the skull is the: Mandible
-
278. The cranial bone in the back of the skull is the: Occipital
-
279. The largest bone in the body is the: Femur
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280. The arm bone that is located on the thumb side of the arm is the: Radius
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281. The upper arm bone is the: Humerus
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282. The ankle bones are called: Tarsals
-
283. The pelvic girdle is made up of: Ischium, Ilium, Pubis
-
284. How many bones are in the male adult skeleton? 206
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285. _____ is the area where cranial bones join together to form immovable joints. Sutures



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286. **Riding a bike, going from a sitting to a standing position, are both examples of this movement of the knee:** Flexion and extension
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287. **The bone building or bone forming cells are called:** Osteoblasts
-
288. **What is the function of the synovial fluid:** To prevent friction
-
289. **Minerals are replaced by bone and the bone hardens during:** Ossification
-
290. **_____ are cells grouped by size, shape and function.** Tissues
-
291. **Which tissue contracts to move a body part?** Muscle
-
292. **In relationship to the rest of the body, the arms would be described as being in a:** Lateral position
-
293. **Which organ is located in the dorsal cavity?** Spinal cord
-
294. **Which body system manufactures hormones to regulate organ activity?** Endocrine
-
295. **The 3 types of muscle tissue:** Skeletal, Cardiac, Smooth
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296. **What cavity contains the urinary bladder?** Pelvic
-
297. **Geraldine found a lump in her groin. Her physician describes the lump as being in the right:** Inguinal region
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298. **A mild sunburn would be described as being:** Superficial
-
299. **What region is located between the hypochondriac regions?** Epigastric
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300.



	Connective tissue supports organs and other body parts. Two examples of connective tissue are:	Cartilage and Adipose tissue
301.	This body plane divides the body into right and left sides:	Mid-sagittal plane
302.	These strong, flexible bands of connective tissue hold bones firmly together at the joints:	Ligaments
303.	This body system contains the brain, spinal cord and nerves:	Nervous
304.	The tissue that protects the body by covering internal and external surfaces and produces secretions is the:	Epithelial tissue
305.	The knees are located on what surface of the body?	Ventral
306.	What are white bands of connective tissue that attaches skeletal muscle to bone?	Tendons
307.	Which body tissue stores fat cells?	Adipose
308.	Which organ is located in the thoracic cavity?	Lungs
309.	The kidneys, ureters, and bladder are found in which body system?	Urinary
310.	Where is the buccal cavity located?	Mouth
311.	Which body system contains the brain and spinal cord?	Nervous
312.	Hayden has a cut on the tip of his finger. This location in relation to his hand is described as being:	Distal



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| 313. | The stomach is located in which body cavity? | Abdominal |
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| 314. | The transverse plane divides the body into: | Top and bottom halves |
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| 315. | Which type of tissue reacts to a stimulus and conducts and impulse to the brain? | Nervous |
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| 316. | This type of muscle tissue is striated and causes voluntary contractions: | Skeletal |
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| 317. | This type of muscle tissue is striated and causes involuntary contractions of the heart muscle: | Cardiac |
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| 318. | Which body part is inferior to the knee? | Ankle |
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| 319. | The prefix hypo- means: | Below |
|------|-------------------------|-------|
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