

The Skeletal System

LEARNING EXERCISES

Grade _____ Name _____

MATCHING WORD PARTS 1

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
3.1. hump	_____	ankly/o
3.2. cartilage	_____	arthr/o
3.3. crooked, bent, or stiff	_____	-um
3.4. joint	_____	kyph/o
3.5. noun ending	_____	chondr/o

MATCHING WORD PARTS 2

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
3.6. cranium, skull	_____	cost/o
3.7. rib	_____	crani/o
3.8. setting free, loosening	_____	-desis
3.9. spinal cord, bone marrow	_____	-lysis
3.10. surgical fixation of bone or joint	_____	myel/o

MATCHING WORD PARTS 3

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
3.11. vertebra, vertebral column	_____	oste/o
3.12. curved	_____	spondyl/o
3.13. bent backward	_____	lord/o
3.14. pertaining to formation	_____	-poietic
3.15. bone	_____	scolio

DEFINITIONS

Select the correct answer and write it on the line provided.

3.16. The term that describes the shaft of a long bone is _____.

diaphysis

distal epiphysis

endosteum

proximal epiphysis

3.17. The tarsals are the bones that make up the _____.

ankles

fingers

toes

wrist

- 3.18. The upper portion of the sternum is the _____.
 clavicle mandible manubrium xiphoid process
- 3.19. The _____ joints are movable.
 cartilaginous fibrous suture synovial
- 3.20. The anterior portion of the pelvic girdle is known as the _____.
 ilium ischium pubis sacrum
- 3.21. The blood vessels, nerves, and ligaments pass through an opening in a bone known as a _____.
 fontanel foramen meatus suture
- 3.22. The tissue that connects one bone to another bone is known as a/an _____.
 articular cartilage ligament synovial membrane tendon
- 3.23. The hip socket is known as the _____.
 acetabulum malleolus patella trochanter
- 3.24. The bones of the fingers and toes are called _____.
 carpals metatarsals tarsals phalanges
- 3.25. A normal projection on the surface of a bone is a/an _____.
 cruciate exostosis popliteal process

MATCHING STRUCTURES

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
3.26. breastbone	_____	clavicle
3.27. cheek bone	_____	olecranon
3.28. collar bone	_____	sternum
3.29. kneecap	_____	patella
3.30. point of the elbow	_____	zygomatic

WHICH WORD?

Select the correct answer and write it on the line provided.

3.31. The surgical procedure to loosen an ankylosed joint is called _____.

arthrodesis

arthrolysis

3.32. A physician who specializes in the diagnosis and treatment of diseases characterized by inflammation in the connective tissues is a/an _____.

orthopedist

rheumatologist

3.33. An _____ transplant uses bone marrow from a donor.

allogenic

autologous

3.34. The term meaning the surgical repair of the skull is a _____.

craniectomy

cranioplasty

3.35. The type of arthritis that is commonly known as wear-and-tear arthritis is _____.

osteoarthritis

rheumatoid arthritis

SPELLING COUNTS

Find the misspelled word in each sentence. Then write that word, spelled correctly, on the line provided.

3.36. The medical term for the condition commonly known as low back pain is lumbaego.

3.37. Ostealgea means any pain that is linked to an abnormal condition with a bone.

3.38. Ankylosing spondilitis is an inflammatory joint disease characterized by progressive stiffening of the spine caused by fusion of the vertebral bodies.

3.39. The term meaning suturing or wiring together of bones is osterrhaphy.

3.40. The sound heard when the ends of a broken bone move together is called crepetation.

MATCHING TERMS AND DEFINITIONS

Write the correct answer in the middle column.

Definition	Correct Answer	Possible Answers
3.41. closed reduction	_____	closed fracture
3.42. clubfoot	_____	manipulation
3.43. compound fracture	_____	open fracture
3.44. osteitis deformans	_____	Paget's disease
3.45. simple fracture	_____	talipes

TERM SELECTION

Select the correct answer and write it on the line provided.

3.46. The term meaning the death of bone tissue is _____.

osteitis deformans osteomyelitis osteonecrosis osteoporosis

3.47. An abnormal increase in the forward curvature of the lower or lumbar spine is known as _____.

kyphosis lordosis scoliosis spondylosis

3.48. The condition known as _____ is a congenital defect.

juvenile arthritis osteoarthritis rheumatoid arthritis spina bifida

3.49. A malignant tumor composed of cells derived from blood-forming tissues of the bone marrow is known as a/an _____.

chondroma Ewing's sarcoma myeloma osteochondroma

3.50. The bulging deposit that forms around the area of the break during the healing of a fractured bone is a _____.

callus crepitation crepitus luxation

SENTENCE COMPLETION

Write the correct term on the line provided.

- 3.51. The general term used to describe a variety of acute and chronic conditions characterized by inflammation and deterioration of connective tissues is _____.
- 3.52. The partial displacement of a bone from its joint is known as _____.
- 3.53. The medical term for the procedure also known as fusion, that stiffens a joint or joining of several vertebrae, is _____.
- 3.54. The medical term for the surgical removal of a spinal lamina is a/an _____.
- 3.55. A hallux valgus is commonly known as a/an _____.

TRUE/FALSE

If the statement is true, write **T** on the line. If the statement is false, write **F** on the line.

- 3.56. ____ A percutaneous diskectomy is performed through the skin of the back.
- 3.57. ____ A craniotomy is a surgical incision into the collar bone.
- 3.58. ____ Spondylolisthesis is a subluxation of one vertebra over the one below it.
- 3.59. ____ Osteoclasia is a pathologic condition that involves abnormal hardening of the bones.
- 3.60. ____ Arthrocentesis is the surgical removal of fluid from a joint.
- 3.61. ____ When a bone is broken at an angle, it is said to be an oblique fracture.
- 3.62. ____ Paget's disease is caused by a deficiency of calcium and vitamin D in early childhood.
- 3.63. ____ Stiffness of the joints, especially in the aged, is known as atherosclerosis.
- 3.64. ____ The loss or absence of mobility in a joint because the bones have abnormally fused together is known as ankylosis.
- 3.65. ____ The surgical removal of a bursa is a bursitis.

CLINICAL CONDITIONS

Write the correct answer on the line provided.

- 3.66. When Bobby Kuhn fell out of a tree, the bone in his arm was partially bent and partially broken. Dr. Parker described this as _____ fracture and told the family that this type of fracture occurs primarily in children.
- 3.67. Eduardo Sanchez has an inflammation of the bone and bone marrow. The medical term for this condition is _____.
- 3.68. Brent Hargraves, who is 16, was diagnosed as having _____ sarcoma. This is a group of cancers that most frequently affect children or adolescents.
- 3.69. Mrs. Morton suffers from dowager's hump. This medical term for this abnormal curvature of the spine is _____.
- 3.70. Henry Turner specializes in creating _____. These are orthopedic appliances to align, prevent, or correct deformities or to improve the function of movable parts of the body.
- 3.71. After an auto accident, Tiffany required _____ to repair the damage to her skull.
- 3.72. Mrs. Gilmer, who is 84 years old, fell and broke her hip. Her doctor repaired this fracture by placing pins to hold the bone together as it heals. These pins, which will not be removed, are known as _____ fixation.
- 3.73. Betty Greene has been running for several years; however, now her knees hurt. Dr. Baskin diagnosed that she has _____. This is an abnormal softening of the cartilage in these joints.
- 3.74. Patty Turner (age 7) has symptoms that include a skin rash, fever, slowed growth, fatigue, and swelling in the joints. She was diagnosed as having juvenile _____ arthritis.
- 3.75. Robert Young has a very sore shoulder. Dr. Wilson diagnosed it as an inflammation of the bursa and called it _____.

WHICH IS THE CORRECT MEDICAL TERM?

Select the correct answer and write it on the line provided.

3.76. Rodney Horner is being treated for a _____ fracture in which the ends of the bones were crushed together.

Colles' comminuted compound spiral

3.77. Alex Jordon's doctor performed a/an _____ to surgically repair the cartilage that Alex damaged when she fell.

arthroplasty chondritis chondroplasty osteoplasty

3.78. Jane Parker was concerned about bone loss after menopause. To evaluate her condition, Jane's doctor ordered a/an _____ test.

bone scan blood calcium DXA MRI

3.79. In an effort to return a fractured bone to normal alignment, Dr. Wong ordered _____. This procedure exerts a pulling force on the distal end of the affected limb.

external fixation immobilization internal fixation traction

3.80. Juanita was treated for an inflammation of the tissue surrounding a bone. This condition is known as _____.

ostealgia osteitis osteomyelitis periostitis

CHALLENGE WORD BUILDING

These terms are not found in this chapter; however, they are made up of the following familiar word parts. You may want to look in the textbook glossary or use a medical dictionary to check your answers.

poly-	arthr/o	-ectomy
	chondr/o	-itis
	cost/o	-malacia
	crani/o	-otomy
	oste/o	-pathy
		-sclerosis

- 3.81. Abnormal hardening of bone is called _____.
- 3.82. The surgical removal of a rib is a/an _____.
- 3.83. The term meaning a disease of the cartilage is _____.
- 3.84. A surgical incision into a joint is a/an _____.
- 3.85. The term meaning inflammation of cartilage is _____.
- 3.86. The surgical removal of a joint is a/an _____.
- 3.87. The term meaning inflammation of more than one joint is _____.
- 3.88. The term meaning any disease involving the bones and joints is _____.
- 3.89. A surgical incision or division of a rib is a/an _____.
- 3.90. The term meaning abnormal softening of the skull is _____.

LABELING EXERCISES

Identify the numbered items on the accompanying figures.

3.91. _____ vertebrae

3.96. _____

3.92. _____

3.97. _____

3.93. _____

3.98. _____

3.94. _____

3.99. _____

3.95. _____

3.100. _____

