

KEY Chapter 13 - Student Companion Worksheet

Instructions: Apply the rules of medical language to break into word parts and define the following skeletal system words.

Label each word part by using the following abbreviations:

- P = Prefix
- WR = Word Root
- CV = Combining Vowel
- S = Suffix
- CF = Combining Form

Skeletal System Medical Terms:

1. ankylosis (ang-kī-LŌ-sīs) - abnormal condition of stiffness

WR S
ankyl / osis

2. arthralgia (ar-THRĀL-j(ē-)ă) - painful joint

WR S
arthr / algia

3. arthritis (ar-THRĪT-īs) - inflammation of a joint

WR S
arthr / itis

4. arthroclasia (ar-thrō-KLĀ-zh(ē-)ă) - surgical breaking of a joint

WR CV S
arthr / o / clasia
CF



5. arthrocentesis (ar-thrō-sen-TĒ-sīs) - surgical puncture to aspirate fluid from a joint

WR CV S
arthr / o / centesis
CF

6. arthrodesis (ar-THROD-ě-sīs) - surgical fixation of a joint

WR CV S
arthr / o / desis
CF

7. arthrography (ar-THROG-ră-fē) - radiographic imaging of a joint

WR CV S
arthr / o / graphy
CF

8. arthroplasty (AR-thrō-plas-tē) - surgical repair of a joint

WR CV S
arthr / o / plasty
CF

9. arthroscopy (ar-THROS-kō-pē) - process of viewing a joint

WR CV S
arthr / o / scopy
CF

10. bradykinesia (brăd-ē-kī-NĒ-sē-ă) - condition of slow movement

P WR S
brady / kines / ia



11. bursectomy (bŭr-SĚK-tō-mē) - excision of bursa

WR S
burs / ectomy

12. bursitis (bŭr-SĪT-īs) - inflammation of the bursa

WR S
burs / itis

13. carpal (KĀR-pāl) - pertaining to carpal (wrist)

WR S
carp / al

14. carpectomy (kār-PĚK-tō-mē) - excision of a carpal (wrist)

WR S
carp / ectomy

15. chondrectomy (kŏn-DRĚK-tō-mē) - excision of cartilage

WR S
chondr / ectomy

16. chondromalacia (kon-drō-mă-LĀ-sh(ē-)ă) - softening of cartilage

WR CV S
chondr / o / malacia
CF

17. chondroplasty (KŌN-drō-plăs-tē) - surgical repair of cartilage

WR CV S
chondr / o / plasty
CF



18. clavicular (klă-VĪK-ŭ-lăr) - pertaining to the clavicle

WR S
clavicul / ar

19. costectomy (kős-TĚK-tō-mē) - excision of rib(s)

WR S
cost / ectomy

20. costochondral (kős-tō-KŎN-drăl) - pertaining to ribs and cartilage

WR CV WR S
cost / o / chondr / al
CF

21. cranial (KRĀ-nē-ăl) - pertaining to the cranium

WR S
crani / al

22. cranioplasty (KRĀ-nē-ō-plăs-tē) - surgical repair of the cranium

WR CV S
crani / o / plasty
CF

23. cranioschisis (krā-nē-ŎS-kĭ-sĭs) - fissure of the cranium

WR CV S
crani / o / schisis
CF

24. craniotomy (krā-nē-ŎT-ō-mē) - incision into the cranium

WR CV S
crani / o / tomy
CF



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25. diskectomy (dis-KEK-tō-mē) - excision of the intervertebral disk

WR S
disk / ectomy

26. diskitis (dis(k)-ĪT-īs) - inflammation of the intervertebral disk

WR S
disk / itis

27. dyskinesia (dis-kī-NE-zh(ē-)ă) - condition of difficult movement

P WR S
dys / kines / ia

28. dystrophy (DIS-trō-fē) - abnormal development

P S
dys / trophy

29. femoral (FEM-ō-răl) - pertaining to the femur

WR S
femor / al

30. humeral (HŪ-mēr-ăl) - pertaining to the humerus

WR S
humer / al

31. hyperkinesia (hī-pēr-kī-NE-zh(ē-)ă) - condition of excessive movement

P WR S
hyper / kines / ia



32. hypertrophy (hĭ-PĚR-trŏ-fĕ) - excessive development

P S
hyper / trophy

33. iliofemoral (il-ĕ-ŏ-FEM-ŏ-răl) - pertaining to the ilium and femur

WR CV WR S
Ili / o / femor / al
CF

34. intercostal (int-ĕr-KOS-tăl) - pertaining to between the ribs

P WR S
inter / cost / al

35. intervertebral (ĭn-tĕr-VĚRT-ĕ-brĕl) - pertaining to between the vertebrae

P WR S
inter / vertebr / al

36. intracranial (in-tră-KRĀ-nĕ-ăl) - pertaining to within the cranium

P WR S
intra / crani / al

37. ischiofibular (is-kĕ-ŏ-FIB-yŭ-lăr) - pertaining to the ischium and fibula

WR CV WR S
ischi / o / fibul / ar
CF

38. kyphosis (kĭ-FŌ-sĭs) - abnormal condition of convexity of the spine

WR S
kyph / osis



39. laminectomy (lăm-ĭ-NĚK-tō-mē) - excision of the lamina

WR S
lamin / ectomy

40. lordosis (lor-DŌ-sīs) - abnormal condition of increased concavity of the spine (bent forward)

WR S
lord / osis

41. lumbocostal (lŭm-bō-KOS-tăl) - pertaining to the lumbar region of the spine and ribs

WR CV WR S
lumb / o / cost / a
CF

42. lumbar (LŬM-băr) - pertaining to the lumbar region of the spine

WR S
lumb / ar

43. lumbosacral (lŭm-bō-SĀ-krăl) - pertaining to the lumbar region of the spine and sacrum

WR CV WR S
lumb / o / sacr / al
CF

44. maxillitis (măks-ĭl-Ī-tīs) - inflammation of the maxilla

WR S
maxill / itis

45. maxillectomy (măks-ĭl-EK-tō-mē) - excision of the maxilla

WR S
maxill / ectomy



46. meniscectomy (mĕn-ĭ-SĔK-tō-mĕ) - excision of the meniscus

WR S
menisc / ectomy

47. meniscitis (men-ĭ-SĪT-ĭs) - inflammation of the meniscus

WR S
menisc / itis

48. ostectomy (ōs-TĔK-tō-mĕ) - excision of bone

WR S
ost / ectomy

49. osteitis (os-tĕ-ĪT-ĭs) - inflammation of bone

WR S
oste / itis

50. osteoarthritis (ă-stĕ-ō-ăr-'thrĭ-təs) - inflammation of the bone and joint

WR CV WR S
oste / o / arthr / itis
CF

51. osteoblast (OS-tĕ-ō-blast) - developing bone cell

WR CV S
oste / o / blast
CF

52. osteochondritis (os-tĕ-ō-kon-DRĪT-ĭs) - inflammation of bone and cartilage

WR CV WR S
oste / o / chondr / itis
CF



53. osteoclasia (ōs-tē-ō-KLĀ-sis) - surgical breaking of a bone

WR CV S
oste / o / clasis
CF

54. osteocyte (OS-tē-ō-sīt) - bone cell

WR CV S
oste / o / cyte
CF

55. osteomalacia (os-tē-ō-mă-LĀ-sh(ē-)ă) - softening of bone

WR CV S
oste / o / malacia
CF

56. osteomyelitis (os-tē-ō-mī-ĕ-LĪT-īs) - inflammation of bone and bone marrow

WR CV WR S
oste / o / myel / itis
CF

57. osteonecrosis (os-tē-ō-nĕ-KRŌ-sīs) - abnormal condition of bone death (lack of blood supply)

WR CV WR S
oste / o / necr / osis
CF

58. osteopenia (os-tē-ō-PĒ-nĕ-ă) - abnormal reduction of bone mass

WR CV S
oste / o / penia
CF



59. osteopetrosis (ös-tě-ō-pě-TRŌ-sīs) - abnormal condition of stone-like bones

WR CV WR S
oste / o / petr / osis
CF

60. osteosarcoma (ös-tě-ō-sär-KŌ-mă) - malignant tumor of bone

WR CV S
oste / o / sarcoma
CF

61. patellectomy (păt-ě-LĚK-tō-mě) - excision of the kneecap

WR S
patell / ectomy

62. pelvic (PEL-vik) - pertaining to pelvis, pelvic bone

WR S
pelv / ic

63. pelvisacral (PEL-vīs-SĀ-krăl) - pertaining to the pelvis and sacrum

WR CV WR S
pelv / i / sacr / al
CF

64. phalangectomy (făl-ăn-JĚK-tō-mě) - excision of the phalanges

WR S
phalang / ectomy

65. pubic (PŪ-bĭk)- pertaining to pubis

WR S
pub / ic



66. pubofemoral (pū-bō-FĚM-or-ăl) - pertaining to pubic bone and femur

WR CV WR S
pub / o / femor / al
CF

67. rachiotomy (rā-kĭ-ŎT-ŏ-mě) - incision into the vertebral column

WR CV S
rachi / o / tomy
CF

68. rachischisis (ră-KĬS-kĭ-sĭs) - fissure of vertebral column

WR S
rachi / schisis

69. radial (RĀD-ē-ăl) - pertaining to radius

WR S
radi / al

70. sacral (SAK-răl, SĀ-krăl) - pertaining to the sacrum

WR S
sacr / al

71. sarcopenia (săr-kō-PĚN-ē-ă) - abnormal reduction of connective tissue

WR CV S
sarc / o / penia
CF

72. scoliosis (skō-lē-Ŏ-sĭs) - abnormal condition of (lateral) curved spine

WR S
scoli / osis



73. spondylarthritis (spon-dil-ar-THRĪT-īs) - inflammation of the vertebra and joint

WR WR S
spondyl / arthr / itis

74. spondylosis (spōn-dī-LŌ-sīs) - abnormal condition of the vertebrae

WR S
spondyl / osis

75. sternoclavicular (stěr-nō-klă-VĪK-ū-lăr) - pertaining to the sternum and clavicle

WR CV WR S
stern / o / clavicul / ar
CF

76. sternoid (STĚR-noyd) - resembling the sternum

WR S
stern / oid

77. subcostal (sŭb-KOS-tăl) - pertaining to below the ribs

P WR S
sub / cost / al

78. submandibular (sŭb-măn-DĪB-ū-lăr) - pertaining to under the mandible

P WR S
sub / mandibul / ar

79. submaxillary (sŭb-MĀK-sī-lěr-ē) - pertaining to under the maxilla

P WR S
sub / maxill / ary



80. subscapular (sŭb-SKĀP-ŭ-lăr) - pertaining to below the scapula

P WR S
sub /scapul / ar

81. substernal (sŭb-STĚR-năl) - pertaining to below the sternum

P WR S
sub / stern / al

82. suprapatellar (soo-pră-pă-TĚL-ăr) - pertaining to above the kneecap

P WR S
supra / patell / ar

83. synovectomy (sŭn-ō-VĚK-tō-mē) - excision of the synovial membrane

WR S
synov / ectomy

84. synoviosarcoma (sŭn-ō-vē-Ō-mă-sar-KŌ-mă) - malignant tumor of the synovial membrane

WR CV S
synovi / o / sarcoma
CF

85. tarsectomy (tar-SEK-tō-mē) - excision of the tarsal

WR S
tars / ectomy

86. tendinitis (ten-dĭ-NĪT-ĭs) - inflammation of the tendon

WR S
tendin / itis



87. tenomyoplasty (tĕn-ō-Mĭ-ō-plās-tē) - surgical repair of the tendon and muscle

WR CV WR CV S
ten / o / my / o / plasty
CF CF

88. tenorrhaphy (tĕn-OR-ă-fē) - suturing of a tendon

WR CV S
ten / o / rrhaphy
CF

89. tenosynovitis (ten-ō-sin-ō-VĭT-ĭs) - inflammation of the tendon and synovial membrane

WR CV WR S
ten / o / synov / itis
CF

90. tibial (TĭB-ē-ăl) - pertaining to the tibia

WR S
tibi / al

91. ulnaradial (ŭl-nō-RĀD-ē-ăl) - pertaining to the ulna and radius

WR CV WR S
uln / o / radi / al
CF

92. vertebrocostal (vēr-tē-brō-KŌS-tăl) - pertaining to vertebrae and ribs

WR CV WR S
vertebr / o / cost / al
CF



93. vertebroplasty (VER-tē-brō-plas-tē) - surgical repair of the vertebral column

WR CV S
vertebr / o / plasty
CF

Build the terms for the following definitions by using the word parts from this chapter.

1. painful joint
arthr / algia
WR S
2. surgical fixation of a joint
arthr / o / desis
WR CV S
3. condition of slow movement
brady / kines / ia
P WR S
4. surgical repair of cartilage
chondr / o / plasty
WR CV S
5. fissure of the cranium
crani / o / schisis
WR CV S
6. abnormal development
dys / trophy
P S
7. pertaining to between the ribs
inter / cost / al
P WR S



8. abnormal condition of convexity of the spine

kyph / o / sis

WR S

9. surgical breaking of a bone

oste / o / clasis

WR CV S

10. abnormal condition of stone-like bones

oste / o / petr / sis

WR CV WR S

11. incision into the vertebral column

rachi / o / tomy

WR CV S

12. abnormal reduction of connective tissue

sarc / o / penia

WR CV S

13. pertaining to above the kneecap

supra / patell / ar

P WR S

14. malignant tumor of the synovial membrane

synovi / o / sarcoma

WR CV S

15. suturing of a tendon

ten / o / rrhaphy

WR CV S

