MEDICAL TERMINOLOGY - CHAPTER THREE

Matching
Match the word parts to their meanings:

G_____ 1. arthr/o  A. ligament  
D_____ 2. dactyl/o  B. sole of the foot  
J_____ 3. myel/o  C. bone  
I_____ 4. chondr/o  D. finger, toe  
B_____ 5. plant/o  E. upper arm bone  
H_____ 7. my/o  G. joint  
E_____ 8. humer/o  H. muscle  
A_____ 9. syndesm/o  I. cartilage  
F_____10. olecran/o  J. bone marrow

Decodable Terms
Identify the word components in the following decodable terms. Underline and use a P for prefixes, WR for word roots, CV for combining vowels, and/or S for suffixes in the following terms.

Example: electrocardiogram: electr/WR o/CV cardi/WR o/CV gram/S recording of the electrical activity of the heart

1. oste – word root, o – combining vowel, plasty – suffix; surgical repair of bone
2. chondr - word root, o- combining vowel, malacia- suffix; softened cartilage
3. poly – prefix, dactyl – word root, ly – suffix; condition of more than five fingers/toes per hand/foot
4. electr - word root, o - combining vowel, my - word root, o - combining vowel, graphy - suffix; recording of electric activity of muscles
5. lumb- word root, o – combining vowel, dynia - suffix; lower back pain
6. spondyl - word root, o – combining vowel, listhesi s - suffix; condition resulting from slipping forward of vertebra
7. my - word root, o - combining vowel, rrhaphy - suffix; suturing a muscle
8. arthr - word root, o - combining vowel, centesis - suffix; surgical puncture of a joint
9. spin - word root, - al – suffix, sten - word root, - osis suffix; narrowing of the spinal canal
10. lord - word root, -osis – suffix; condition of sway back

Bone Names
Give the healthcare term for each of the following:

1. kneecap  patella  11. upper jaw  maxilla  
2. breast bone  sternum  12. cheek bone  zygoma, zygomatica  
3. collar bone  clavicle  13. back bones  vertebrae  
4. shoulder blade  scapula  14. upper arm  humerus  
5. thigh bone  femur  15. wrist bones  carpals  
6. finger bones  phalanges  16. ankle bones  tarsals  
7. skull  cranium  17. tail bone  coccyx  
8. elbow  olecranon  18. hand bones  metacarpals  
9. rib  costa  19. foot bones  metatarsals  
10. lower jaw  mandible  20. bones of the roof of the mouth  palate

Muscle and Their Actions
Give the name of each of the following muscle actions.

1. process of increasing the angle of a joint extension
2. turning the palm or medial side of the foot upward supination
3. process of carrying toward the midline adduction
4. process of turning out eversion
5. process of a bone turning on its axis rotation
6. process of carrying away abduction
7. turning the palm or medial side of the foot downward pronation
8. process of decreasing the angle of a joint flexion
9. process of bending back dorsiflexion
10. process of pulling forward protraction
11. process of turning in inversion
12. process of backward pulling retraction
13. lowering the foot, pointing the toes away from the shin plantar flexion

Name the combining form:
14. muscle (three possible answers) my/o, myos/o, muscul/o
15. smooth muscle (visceral muscle) leimy/o
16. heart muscle myocardi/o
17. skeletal muscle (striated muscle) rhabdomy/o

Word Building
Using the rules for word building and the word components listed below, construct terms for the definitions listed (not all word parts will be used, and some may be used more than once).

<table>
<thead>
<tr>
<th>Prefixes</th>
<th>Combining Forms</th>
<th>Suffixes</th>
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<tr>
<td>anti-</td>
<td>arthr/o</td>
<td>-al</td>
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<tr>
<td>dys-</td>
<td>dactyl/o</td>
<td>-algia</td>
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<td>endo-</td>
<td>esophag/o</td>
<td>-osis</td>
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<td>hyper-</td>
<td>fibr/o</td>
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<td>peri-</td>
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<td>pre-</td>
<td>oste/o</td>
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<td>syn-</td>
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<td></td>
<td>spin/o</td>
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<td>tympan/o</td>
<td>-itis</td>
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1. condition of joined fingers or toes syndactly
2. a abnormal condition of porous bone osteoporosis
3. softening of bone osteomalacia
4. disorder of muscle fibers characterized by pain, fatigue, and sleep disturbances fibromyalgia
5. process of viewing of a joint arthroscopy
6. an incision of bone osteotomy
7. surgical repair of bone osteoplasty
8. the structure within bone endosteum
9. binding or stabilization of a joint arthrodesis
10. intentional fracture of bone osteoclasis