Medical Terminology: An Illustrated Guide, Ninth Edition (Cohen)

Worksheet

Chapter 1—Concepts, Suffixes, and Prefixes of Medical Terminology

True or False

Examine the following statements. If the statement is true, write "True." If the statement is false, write "False."

- 1. Medical terminology is based mainly on Greek and Latin words.
- 2. A suffix establishes a medical word's basic meaning.
- 3. A root modifies a prefix's meaning.
- 4. The root *cardi* means "heart."
- 5. *Neur/o* is an example of a compound word.
- 6. USA is an acronym.
- 7. The word *cerebrospinal* is a compound word.
- 8. In the word *pharyngitis*, the suffix is *-itis*.
- 9. Medical terminology varies greatly throughout the world.
- 10. The adjective for *coccyx* is *coccyical*.
- 11. A suffix is a word ending that modifies a root.
- 12. The suffix *-ous* means "pertaining to."
- 13. The plural of *embolus* is *embols*.
- 14. In the word *epileptiform*, the suffix means "resembling."
- 15. *Vertebras* is the correct plural form for bones of the spine.
- 16. The singular form of *omenta* is *omentum*.

- 17. The suffix *-logy* refers to a field of study or a specialty.
- 18. Podiatry is the study and treatment of mental disorders.
- 19. The word *necrotic* is an adjective.
- 20. Anematology is a medical specialty devoted to the study of blood.
- 21. A prefix appears before a root.
- 22. The prefix in *monocular* means "one."
- 23. The opposite of *abduct* is *antiduct*.
- 24. The prefix in *erythrocyte* means "round."
- 25. Two monosaccharides form a disaccharide.
- 26. The opposite of *poly* is *oligo*-.
- 27. Endoderm is superficial to ectoderm.
- 28. The term hypoglycemia means "high blood sugar."
- 29. A megalocyte is larger than a microcyte.
- 30. A right-handed person is dextromanual.

Fill-in-the-Blank

Complete the sentence with the correct term(s).

31. The fundamental unit of each medical word is the

32. A short word part added at the end of a root is a(n)

33. A short word part added before a root is a(n) .

34. A root with a vowel added to aid in pronunciation is a(n)

- 35. A compound word that means "pertaining to the heart and blood vessels" is
- 36. The vowel in the word *pet* is a(n) vowel.
- 37. The first vowel in the word *rise* is a(n) vowel.

- 38. Combine *hem/o* meaning "blood" and *rhage* meaning "bursting forth" to form a word that means "a bursting forth of blood":
- 39. Combine the root *psych* meaning "mind" with *-logy* meaning "study of" to form a word that means "study of the mind":
- 40. An abbreviation formed from the first letter of each word in a phrase is a(n)
- 41. The root cardi with a vowel added to aid pronunciation forms cardi/o, which is termed a(n)
- 42. The adjective of *pharynx* is
- 43. The *-itis* in pleuritis is the word part called a(n)
- 44. The *pn* in the word *pneumonia* is pronounced like the letter
- 45. The *rh* in the word *rhinitis* is pronounced like the letter
- 46. The name given to a root combined with a vowel is
- 47. A gastroduodenostomy is a communication between the stomach and duodenum. The part of the word *gastroduodenostomy* that means "communication" is the
- 48. A word part added to the end of a root to modify its meaning is a(n)

49. Most medical word parts come from Greek and

50. An organ of excretion (roots: *ren/o*, *nephr/o*) is the

51. A letter inserted between the root and the next word part to aid in pronunciation is a(n)

52. means pertaining to the coccyx.

- 53. A dropping, downward displacement is
- 54. A word ending that modifies a root is a(n)
- 55. The suffix *-logy* means .
- 56. A physician who specializes in study and treatment of the skin (dermatology) is a(n)

57. The word that means "pertaining to a vein" (root: ven) is

58. The word that means "pe	rtaining to saliva" is
59. The adjective for <i>neurosi</i>	s is
60. The adjective for <i>pelvis</i> is	S
61. The adjective nuclear per	rtains to a(n) .
62. The plural of <i>diagnosis</i> is	S
63. The singular of vertebrae	2 is .
64. A specialist who studies	and treats the feet is a(n)
65. The word that means "pe	rtaining to the heart" is
66. The adjective that means	"pertaining to respiration" is
67. The plural of <i>ganglion</i> is	•
68. The suffix <i>-sis</i> means	
69. The singular of <i>phalange</i>	s is .
70. The plural of <i>matrix</i> is	
71. The singular form of <i>foci</i>	is .
72. The singular form of <i>par</i>	alyses is
73. The suffix that means "pe	ertaining to" in the word <i>nervous</i> is
74. A dark pigment that give radiation is	s color to the hair and skin and protects the skin against the sun's
75.	is a bluish discoloration of the skin due to lack of oxygen.
76. To separate tissues for an	atomic study is to
77. Introduction of blood or	blood components into the bloodstream is
78.	means "having equal sides."
79.	means "of uniform composition."
80. microscope."	means of "extremely small size-visible only with the aid of the

•

81. Another name for the lun	men of an organ or vessel is		
82. Development of a blood clot within a vessel is			
83. The care and treatment of	of children is .		
84. The study of the nervous	s system is .		
85	means "pertaining to a nucleus."		
86.	means "pertaining to anatomy."		
87.	is the plural form of phalanx.		
88. The process of determini	ing the cause and nature of an illness is		
89. A word part that appears	s in front of a root is a(n)		
90. Trifocal glasses have	lenses.		
91. The term <i>cyanotic</i> pertai	ns to the color		
92. A xanthoma is a growth	that is named for the color		
93. Erythrocytes are named	for the color .		
94. The prefixes anti- and co	ontra- mean .		
95. The opposite of <i>permeab</i>	ble is .		
96. The prefixes dia-, per-, a	and <i>trans</i> - mean .		
97. The prefix in <i>pandemic</i> 1	means .		
98. The prefix <i>syn</i> - means			
99. The opposite of hypergly	vcemia is		
100. To move the arm away	from the midline is to	it.	
101. The prefix <i>pre</i> - means			
102. The prefix that means '	"few" or "scanty" is		
103. The opposite of <i>dextron</i>	manual is		

.

104. A synonym for <i>antenatal</i> is	
105. The prefixes macro-, mega-, and	d <i>megalo-</i> all mean
106. The prefix <i>pseudo-</i> means	·
107. A hemisphere is	of a sphere.
108. A tricuspid structure has	parts.

Matching

Match the following terms, and write the appropriate letter next to each term.

109. Term bedpan ren/o pseudo carry	Definition A. word with a hard <i>c</i> B. prefix that means false C. combining form D. compound word
110. Term rage glue pace gnome	Definition A. word with a hard g B. word with a soft g C. word with a silent g D. word with a soft c
111. Term FDA KAR-dē-ak dipl/o cardiovascular	Definition A. referring to double B. compound word C. acronym D. phonetic pronunciation
112. Term prefix suffix root diarrhea	Definition A. fundamental word unit B. comes before the root C. comes after the root D. its suffix means "to flow"

113.

Term -sis

-ous

-logy -ist

114.

Term dermatology insomnia anatomy dysentery

115.

Term thrombus ganglion febrile ovoid

116.

Term topical appendices ova lymphoid

117.

Term hemisphere contraindicated percutaneous regurgitation

118.

Term oligodontia abduct hyperventilation hypoglycemia

Definition

- A. suffix that means "study," "study of"
- B. suffix that means "pertaining to" or "like"
- C. suffix that means "specialist"
- D. suffix that means "condition of"

Definition

- A. study of structure
- B. intestinal disorder
- C. study and treatment of the skin
- D. inability to sleep

Definition

- A. blood clot in a vessel
- B. mass of nervous tissue
- C. pertaining to fever
- D. resembling an egg

Definition

- A. things added B. eggs
- C. pertaining to a surface
- D. pertaining to the lymphatic system

Definition

- A. against recommendations
- B. one half of a globe
- C. backward flow
- D. through the skin

Definition

- A. fewer than normal number of teeth
- B. excessive breathing
- C. move away from the midline
- D. low blood sugar

119. Term orthotic preoperative equilateral neonate	Definition A. having equal sides B. a newborn C. correcting deformities D. before surgery
120. Term monocyte mesencephalon tetralogy homothermic	Definition A. cell with one nucleus B. having a constant temperature C. a group of four D. midbrain

Pronounce It

For each phonetic transcription in this section, pronounce the term aloud and write it in the space provided, being careful to spell it correctly.

121. KEM-ih-kal
122. FAN-tom
123. FO-be-ah
124. u-FOR-e-ah
125. dis-FUNK-shun
126. ZIF-oyd
127. TO-sis
128. RI-no-plas-te
129. AK-ro-nim
130. fah-RIN-je-al
131. kok-SIJ-e-al
132. RU-mah-tizm
133. nu-MAT-ik
134. kar-de-OL-o-je

- 135. nef-RI-tis
- 136. tho-RAS-ik
- 137. SER-vih-kal
- 138. re-no-GAS-trik
- 139. dis-LEK-se-ah
- 140. FAR-mah-se
- 141. si-ah-NOT-ik
- 142. LU-ko-site
- 143. or-THOT-ik
- 144. ho-mo-JE-ne-us
- 145. sim-bi-o-sis
- 146. tel-en-SEF-ah-lon
- 147. EKS-tract
- 148. SIN-drome
- 149. eks-OJ-eh-nus
- 150. di-AL-ih-sis
- 151. prog-NO-sis
- 152. KWAD-ru-ped
- 153. zan-tho-DER-mah
- 154. eh-rih-THE-mah
- 155. ol-ih-go-DON-she-ah
- 156. poy-kil-o-DER-mah
- 157. mak-ro-SKOP-ik

10

- 158. u-nih-LAT-er-al
- 159. ep-ih-THE-le-al
- 160. ho-me-o-STA-sis
- 161. PAR-ah-sit-izm
- 162. steh-NO-sis
- 163. nu-ROL-o-je
- 164. op-TISH-an
- 165. ah-NAT-o-me
- 166. tek-NOL-o-je
- 167. MEH-trik
- 168. VE-nus
- 169. MUS-ku-lar
- 170. feh-NOM-eh-non
- 171. pro-to-ZO-ah
- 172. FUN-ji
- 173. fo-RAM-ih-nah
- 174. FI-broyd
- 175. RU-mah-toyd
- 176. di-ag-NO-sis
- 177. SKEL-eh-tal
- 178. VER-teh-brah
- 179. DIP-loyd

Word Building

For each item in this section, select the correct word parts from the bank below to form the term that matches the definition. Word parts may be used more than once.

Part 1 Word Bank cardi dia gastr hem ic itis	logy men nephr neur o perine	r rhage rhea thorac
180. Study of the heart		
181. Inflammation of the stomach	L	
182. Pertaining to the chest		
183. Loss of blood		
184. Inflammation of a nerve		
185. Study of the kidney		
186. Passage of fluid stool		
187. Menstrual flow		
188. Inflammation of the kidney		
189. Study of the stomach		
Part 2 Word Bank a	di	0
ab	duct	ous
ad	leuk	poikilo
cyte derma	micro morph	xanth
190. Pertaining to a yellow color		
191. A very small cell		
192. Irregular, mottled skin condi	tion	

193. A cell with an irregular shape	e	
194. A yellow skin condition		
195. Having two forms		
196. White cell		
197. To move away from		
198. To move toward		
199. Having no shape		
Part 3 Word Bank a dermat ic ist	log o oid ov	psych sis um y
200. Like or resembling an egg		-
201. Study and treatment of the sk	kin	
202. Study of the mind		
202. Study of the mind203. A single egg cell		
-		
203. A single egg cell	skin	
203. A single egg cell204. One who studies the mind	skin	
203. A single egg cell204. One who studies the mind205. Specialist in treatment of the		
 203. A single egg cell 204. One who studies the mind 205. Specialist in treatment of the 206. Pertaining to psychology 		

Sorting

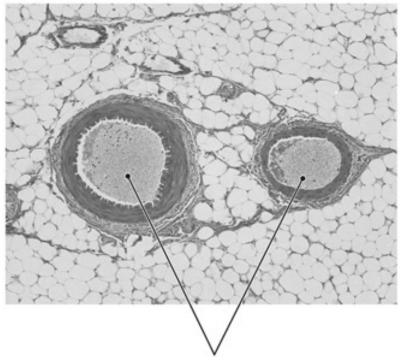
For each word part category in this section, list the corresponding word parts from the bank below.

<i>Part 1 Word Bank</i> cardio cardiovascular hem laryngo	lymphocyte nephro neur pulm	ren thoraco urogenital wheelchair	
210. roots			
211. combining forms			
212. compound words			
Part 2 Word Bank			
a-	dis-	mon/o-	
contra-	erythr/o-	non-	
cyan/o-	leuk/o-	poly-	
dipl/o-	melan/o-	tetra-	
213. Prefixes for number			
214. Prefixes for color			
215. Negative prefixes			
Part 3 Word Bank			
-form	-ics	-oid	
-ia	-ism	-ous	
-ian	-ist	-sis	
-ic	-logy	-у	
216. suffixes for "condition of"			
217. suffixes for "like" or "resembling"			
218. suffixes for speciality or specialist			

Look and Label

For each image in this section, write each label indicated on the image in the correct location or near the image with a line pointing from the label to the correct location on the image.

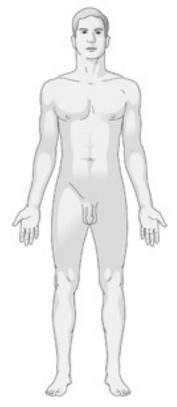
219. Labels: artery, lumen, vein



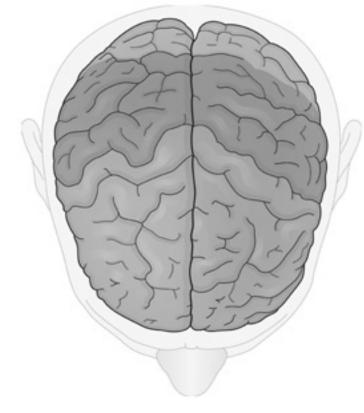
220. Labels: distal phalanx, middle phalanx, phalanges, proximal phalanx



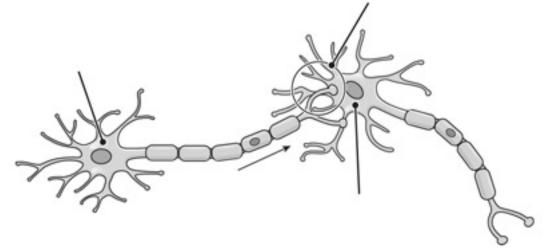
221. Label: What stance is shown in this figure?



222. Labels: anterior, left hemisphere, posterior, right hemisphere



223. Labels: postsynaptic cell, presynaptic cell, synapse



Case Study

Read the following case studies carefully. Complete the sentence with the correct term(s).

Case Study 1: Osteoarthritis Consultation Note

HISTORY OF PRESENT ILLNESS: The patient has a history of chronic pain in the lumbosacral spine that has progressively gotten worse over the past 2 years. She was scheduled to have an MRI but never completed it because of claustrophobia. She also has pain in the hands and both shoulders, with significant morning stiffness. She has difficulty getting up from a sitting position. She reports pain in the knee with swelling of the left knee. She has moderate swelling of both ankles, which may be related more to her history of hypertension. She has just recently had an angiogram and is currently on a low dose of diuretic.

PERTINENT PHYSICAL FINDINGS: Hands have no evidence of synovitis. There are Heberden and Bouchard nodes, with changes of osteoarthritis. Wrist movement is normally maintained. There is tenderness of both shoulders with decreased range of mobility. There is also gluteal tenderness. Hip movement is decreased. There is bilateral crepitus of the knees with decreased range of mobility. The ankles have moderate swelling. The feet are normal.

ASSESSMENT: Osteoarthritis of the knees.

PLAN: We will start Celebrex 100 mg bid for pain. We will check for inflammation with a sedimentation rate, C-reactive proteins, rheumatoid factor, ANA, and uric acid levels. Will recommend physical therapy. Local injections are an option to consider in the future.

224. The *itis* in the word *osteoarthritis* is a(n)

225. The word *lumbosacral* is formed from two roots. It is an example of a(n)

226. MRI stands for magnetic resonance imaging. This term represents a(n)

227. The *rh* in the word *rheumatoid* is pronounced as

228. The bi in the word bilateral is a(n) .

229. The *ch* in the word *chronic* is pronounced as

230. The root *syn/o* refers to synovial membrane. The root is written in its form.

231. The word *synovitis* means .

232. The suffix -gram means "a recording." In the word angiogram, angi is a(n)

233. The *hyper* in the word *hypertension* is a(n)

Case Study 2: Endocrinology Office Consultation

HISTORY: This is a 59-year-old woman who has been in good health. She had an incident where a thyroid nodule was discovered after referral to a general surgeon for a breast lump. At that time, thyroid ultrasound and fine-needle aspiration of a rather sizable cyst of the right lobe of the thyroid, as well as aspiration of a nodule on the left side, were carried out. The findings suggested hemorrhage, and the patient was seen in follow-up 6 months later. Since that time, she has noted no hoarseness, dysphagia, local tenderness, or other focal symptoms. She also has no symptoms suggestive of thyroid dysfunction, and her baseline thyroid function studies last September were noted to be normal. She does admit to loud snoring and some sleep difficulty, with occasional fatigue the following day. This has been commented upon by her husband as being particularly coarse and loud in nature.

MEDICATIONS: She is on no medications except for Estraderm twice weekly.

FAMILY HISTORY: She does have a history of thyroid goiter in mother and grandmother.

PHYSICAL EXAMINATION: This is a healthy-appearing woman. Blood pressure is 130/74. Height is 5 feet 4 inches. Weight is 155 pounds. Integument is normal. She is well tanned. Eyes reveal no ophthalmopathy. Examination of the neck reveals a 2-cm nodular area in the lower part of the neck, which moves with swallowing. Otherwise, there is no enlargement of the thyroid. No lymphadenopathy or other abnormality is present. Chest is clear. She has no chest wall tenderness. Cardiac exam reveals a slow, regular rate and rhythm. Reflexes are normal.

RADIOLOGY REPORT: Review of the ultrasound shows several cysts, one of which is sizable and compatible with a hemorrhagic cyst, as well as the suggestion of two demarcated adenomas, one of which was aspirated last October. The left-sided nodule did show follicular cells, although it is not stated whether there are adequate numbers, that is, six separate cells present.

IMPRESSION: Probable nodular hyperplasia with rather well-demarcated thyroid nodules, not palpable on clinical exam, and hemorrhagic thyroid cyst that has not changed in the last 6 months. PLAN: A free T4 and TSH blood test, and it was recommended that a re-exam and ultrasound be done in approximately 6 months.

234.	The suffix	in the wor	<i>endocrinology</i> means		
------	------------	------------	----------------------------	--	--

- 235. A doctor specializing in the field of endocrinology is a(n)
- 236. The suffix in the word *thyroid* means
- 237. The term *adenomas* is often used as the plural form of *adenoma*. The more accurate plural is
- 238. The patient history notes that she occasionally has some difficulty sleeping. In other words, she has ______.
- 239. The suffix *-ia* in the word *dysphagia* means .
- 240. If the physical examination revealed heart problems, the patient would be referred to a(n)

241. The adjective *hemorrhagic* is formed from the noun

242. The suffix -y in the terms lymphadenopathy and ophthalmopathy means

243. The term *focal* refers to a focus, or center. The plural of *focus* is

Case Study 3: Thyroid Cancer Surgery Discharge Summary

DISCHARGE DIAGNOSIS: Follicular thyroid cancer.

HOSPITAL COURSE: The patient came into the same-day surgery department on Friday, 4 days prior to this dictation. She underwent an uneventful left thyroid lobectomy, and intraoperatively, her frozen section diagnosis was follicular adenoma. She did well postoperatively and was subsequently prepared for discharge. However, the pathology demonstrated that she had a moderately well-differentiated follicular cancer. A completion thyroidectomy was then planned, and she was returned to the operating room. The contralateral lobe was then removed. Parathyroid glands were well identified, as were the recurrent laryngeal nerves bilaterally, and the procedure was well tolerated.

Postoperatively, her calcium level was 7.9, with a preoperative calcium of 8.5. She had no Chvostek or Trousseau sign on postoperative examination and felt no irritability. She had some very mild hoarseness after the second operation but good phonation and was able to cough well. She was instructed on postoperative wound care, and it was discussed with her that she should have radioiodine ablation in several weeks when she becomes hypothyroid.

PLAN: Discharge her home on oral Vicodin for pain and have her return to the office later in the week. Additional plans for outpatient ablation will be forthcoming.

244.	The prefix and its meaning in <i>uneventful</i> are	and
245.	The patient's preoperative calcium level would be measured	
246.	The prefix and its meaning in <i>discharge</i> are	and
247.	The word <i>contralateral</i> means	
248.	The prefix in the word <i>postoperative</i> means	
249.	During a surgery, the recurrent laryngeal nerves are visualized by they are seen on	laterally. This means that
250.	The prefix and its meaning in the word <i>ablation</i> are	and
251.	The word <i>hypothyroid</i> refers to .	

- 252. The patient's discharge notes predict a good outcome for the patient. This prediction is a(n)
- 253. The patient's thyroid is surgically removed. Another word that means "to cut out" is