section presents common suffixes and prefixes used to construct medical terms. Some of these elements have already been introduced, but they are now reinforced in the appropriate categorized tables below. Similar tables are included for each chapter in the book. The common elements in this section of the chapter will be reinforced throughout the textbook in numerous medical terms.

Surgical Suffixes

Common suffixes associated with surgical procedures, their meanings, and an example of a related term are listed in the following table. First, study the suffix and its meaning and practice pronouncing the term aloud. Then use the information provided to complete the meaning of each term. You may also refer to *Appendix A: Glossary of Medical Word Elements* to complete this exercise. To build a working vocabulary of medical terms and understand how those terms are used in the health care industry, it is important that you complete all of these exercises. The first one is completed for you.

Suffix	Term	Meaning
-centesis surgical puncture	arthr/o/**centesis** ăr-thrō-sĕn-TĒ-sĭs *arthr/o:* joint	*Surgical puncture of a joint*
-clasis to break; surgical fracture	oste/o/**clasis** ŏs-tē-ŎK-lă-sĭs *oste/o:* bone	
-desis binding, fixation (of a bone or joint)	arth r/o/**desis** ăr-thrō-DĒ-sĭs *arthr/o:* joint	
-ectomy excision, removal	append/**ectomy** ăp-ĕn-DĔK-tō-mē *append:* appendix	
-lysis separation; destruction; loosening	thromb/o/**lysis** thrŏm-BŎL-ĭ-sĭs *thromb/o:* blood clot	
-pexy fixation (of an organ)	mast/o/**pexy** MĂS-tō-pĕks-ē *mast/o:* breast	
-plasty surgical repair	rhin/o/**plasty** RĪ-nō-plăs-tē *rhin/o:* nose	
-rrhaphy suture	my/o/**rrhaphy** mī-OR-ă-fē *my/o:* muscle	

(Continued)

LIVEWORKSHEETS

Suffix	Term	Meaning
-stomy forming an opening (mouth)	trache/o/**stomy** trā-kē-ŎS-tō-mē *trache/o:* trachea (windpipe)	
-tome instrument to cut	oste/o/**tome** ŎS-tē-ō-tōm *oste/o:* bone	
-tomy incision	trache/o/**tomy** trā-kē-ŎT-ō-mē *trache/o:* trachea (windpipe)	
-tripsy crushing	lith/o/**tripsy** LĬTH-ō-trĭp-sē *lith/o:* stone, calculus	

Pronunciation Help						
	Long Sound	ā in rāte	ē in rēbirth	ī in īsle	ō in ōver	ū in ūnite
	Short Sound	ă in ălone	ĕ in ĕver	ĭ in ĭt	ŏ in nŏt	ŭ in cŭt

Competency Verification: Check your answers in Appendix B, Answer Key, page 359. If you are not satisfied with your level of comprehension, review the terms in the table and retake the review.

Diagnostic Suffixes

Common suffixes associated with diagnostic procedures, their meanings, and an example of a related term are listed in the following table. First, study the suffix and its meaning and practice pronouncing the term aloud. Then use the information provided to complete the meaning of each term. You may also refer to *Appendix A: Glossary of Medical Word Elements* to complete this exercise. To build a working vocabulary of medical terms and understand how those terms are used in the health care field, it is important that you complete all of these exercises. The first one is completed for you.

Suffix	Term	Meaning
-gram record, writing	electr/o/cardi/o/**gram** ē-lĕk-trō-KĂR-dē-ō-grăm *electr/o:* electricity *cardi/o:* heart	*Record of electrical activity of the heart*
-graph instrument for recording	cardi/o/**graph** KĂR-dē-ō-grăf *cardi/o:* heart	
-graphy process of recording	angi/o/**graphy** ăn-jē-ŎG-ră-fē *angi/o:* vessel (usually blood or lymph)	

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Suffix	Term	Meaning
-meter instrument for measuring	pelv/i/**meter*** pĕl-VĬM-ĕ-tĕr *pelv/i:* pelvis	
-metry act of measuring	pelv/i/**metry*** pĕl-VĬM-ĕ-trē *pelv/i:* pelvis	
-scope instrument for examining	endo/**scope** ĔN-dō-skōp *endo-:* in, within	
-scopy visual examination	endo/**scopy** ĕn-DŎS-kō-pē *endo-:* in, within	

Pronunciation Help						
	Long Sound	ā in rāte	ē in rēbirth	ī in īsle	ō in ōver	ū in ūnite
	Short Sound	ă in ălone	ĕ in ĕver	ĭ in ĭt	ŏ in nŏt	ŭ in cŭt

*The i in pelv/i/meter and pelv/i/metry are exceptions to the rule of using the connecting vowel o.

Competency Verification: Check your answers in Appendix B, Answer Key, page 360. If you are not satisfied with your level of comprehension, review the terms in the table and retake the review.

Pathological Suffixes

Common suffixes associated with pathological (disease) conditions, their meanings, and an example of a related term are listed in the following table. First, study the suffix and its meaning and practice pronouncing the term aloud. Then use the information provided to complete the meaning of each term. You may also refer to *Appendix A: Glossary of Medical Word Elements* to complete this exercise. To build a working vocabulary of medical terms and understand how those terms are used in the health care industry, it is important that you complete all of these exercises. The first one is completed for you.

Suffix	Term	Meaning
-algia, -dynia pain	neur/**algia** nū-RĂL-jē-ă *neur:* nerve	*Pain in a nerve*
	ot/o/**dynia** ō-tō-DĬN-ē-ă *ot/o:* ear	
-cele hernia, swelling	hepat/o/**cele** hĕ-PĂT-ō-sēl *hepat/o:* liver	

(Continued)

LIVEWORKSHEETS

Suffix	Term	Meaning
-ectasis dilation, expansion	bronchi/**ectasis** brŏng-kē-ĔK-tă-sĭs *bronchi:* bronchus (plural, bronchi)	
-edema swelling	lymph/**edema** lĭmf-ĕ-DĒ-mă *lymph:* lymph	
-emesis vomiting	hyper/**emesis** hī-pĕr-ĔM-ĕ-sĭs *hyper-:* excessive, above normal	
-emia blood condition	an/**emia** ă-NĒ-mē-ă *an-:* without, not	
-iasis abnormal condition (produced by something specific)	chol/e/lith/**iasis*** kō-lē-lĭ-THĪ-ă-sĭs *chol/e:* bile, gall *lith:* stone, calculus	
-itis inflammation	gastr/**itis** găs-TRĪ-tĭs *gastr:* stomach	
-lith stone, calculus	chol/e/**lith*** KŌ-lē-lĭth *chol/e:* bile, gall	
-malacia softening	chondr/o/**malacia** kŏn-drō-mă-LĀ-shē-ă *chondr/o:* cartilage	
-megaly enlargement	cardi/o/**megaly** kăr-dē-ō-MĔG-ă-lē *cardi/o:* heart	
-oma tumor	neur/**oma** nū-RŌ-mă *neur:* nerve	
-osis abnormal condition; increase (used primarily with blood cells)	cyan/**osis** sī-ă-NŌ-sĭs *cyan:* blue	
-pathy disease	my/o/**pathy** mī-ŎP-ă-thē *my/o:* muscle	

*The e in chol/e/lithiasis and chol/e/lith are exceptions to the rule of using the connecting vowel o.

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Suffix	Term	Meaning
-penia decrease, deficiency	erythr/o/**penia** ĕ-rĭth-rō-PĒ-nē-ă *erythr/o:* red	
-phobia fear	hem/o/**phobia** hē-mō-FŌ-bē-ă *hem/o:* blood	
-plegia paralysis	hemi/**plegia** hĕm-ē-PLĒ-jē-ă *hemi-:* one half	
-rrhage, -rrhagia bursting (of)	hem/o/**rrhage** HĔM-ĕ-rĭj *hem/o:* blood	
	men/o/**rrhagia** mĕn-ō-RĀ-jē-ă *men/o:* menses, menstruation	
-rrhea discharge, flow	dia/**rrhea** dī-ă-RĒ-ă *dia-:* through, across	
-rrhexis rupture	arteri/o/**rrhexis** ăr-tē-rē-ō-RĔK-sĭs *arteri/o:* artery	
-stenosis narrowing, stricture	arteri/o/**stenosis** ăr-tē-rē-ō-stĕ-NŌ-sĭs *arteri/o:* artery	
-toxic poison	hepat/o/**toxic** HĔP-ă-tō-tŏk-sĭk *hepat/o:* liver	
-trophy nourishment, development	dys/**trophy** DĬS-trō-fē *dys-:* bad; painful; difficult	

Pronunciation Help							
	Long Sound	ā in rāte	ē in rēbirth	ī in īsle	ō in ōver	ū in ūnite
	Short Sound	ă in ălone	ĕ in ĕver	ĭ in ĭt	ŏ in nŏt	ŭ in cŭt

Competency Verification: Check your answers in Appendix B, Answer Key, pages 360–361. If you are not satisfied with your level of comprehension, review the terms in the table and retake the review.

LIVEWORKSHEETS

Review Activity 1-9

Common Prefixes

Common prefixes, their meanings, and an example of a related term are listed in the following table. First, study the prefix and its meaning and practice pronouncing the term aloud. Then use the information in the following table to complete the meaning of the terms. You may also refer to *Appendix A: Glossary of Medical Word Elements* to complete this exercise. To understand the meaning of medical terms, it is important to engage actively in activities of this type. Complete all of the exercises, and you will master medical terminology. The first one is completed for you.

Prefix	Term	Meaning
a-*, an-† without, not	**a**/mast/ia ă-MĂS-tē-ă *mast:* breast *-ia:* condition	*Without a breast*
	an/esthesia ăn-ĕs-THĒ-zē-ă *-esthesia:* feeling	
circum-, peri- around	**circum**/duction sĕr-kŭm-DŬK-shŭn *-duction:* act of leading, bringing, conducting	
	peri/odont/al pĕr-ē-ō-DŎN-tăl *odont:* teeth *-al:* pertaining to	
dia-, trans- through, across	**dia**/therm/y DĪ-ă-thĕr-mē *therm:* heat *-y:* condition, process	
	trans/vagin/al trăns-VĂJ-ĭn-ăl *vagin:* vagina *-al:* pertaining to	

LIVEWORKSHEETS

Prefix	Term	Meaning
dipl-, diplo- double	**dipl**/opia dĭp-LŌ-pē-ă *-opia:* vision	
	diplo/bacteri/al dĭp-lō-băk-TĒR-ē-ăl *bacteri:* bacteria *-al:* pertaining to	
dys- bad, painful, difficult	**dys**/phonia dĭs-FŌ-nē-ă *-phonia:* voice	
endo-, intra- in, within	**endo**/crine ĔN-dō-krĭn *-crine:* secrete	
	intra/muscul/ar ĭn-tră-MŬS-kū-lăr *muscul:* muscle *-ar:* pertaining to	
homo-, homeo- same	**homo**/graft HŌ-mō-grăft *-graft:* transplantation	
	homeo/plasia hō-mē-ō-PLĀ-zē-ă *-plasia:* formation, growth	
hypo- under, below, deficient	**hypo**/derm/ic hī-pō-DĔR-mĭk *derm:* skin *-ic:* pertaining to	
macro- large	**macro**/cyte MĂK-rō-sīt *-cyte:* cell	
micro- small	**micro**/scope MĪ-krō-skōp *-scope:* instrument for examining	
mono-, uni- one	**mono**/therapy MŎN-ō-thĕr-ă-pē *-therapy:* treatment	

(Continued)

LIVEWORKSHEETS

Prefix	Term	Meaning
	uni/nucle/ar ū-nĭ-NŪ-klē-ăr *nucle:* nucleus *-ar:* pertaining to	
post- after, behind	**post**/nat/al pōst-NĀ-tăl *nat:* birth *-al:* pertaining to	
pre-, pro- before, in front of	**pre**/nat/al prē-NĀ-tăl *nat:* birth *-al:* pertaining to	
	pro/gnosis prŏg-NŌ-sĭs *-gnosis:* knowing	
primi- first	**primi**/gravida prī-mĭ-GRĂV-ĭ-dă *-gravida:* pregnant woman	
retro- backward, behind	**retro**/version rĕt-rō-VĔR-zhŭn *-version:* turning	
super- upper, above	**super**/ior soo-PĒ-rē-or *-ior:* pertaining to	

Pronunciation Help						
	Long Sound	ā in rāte	ē in rēbirth	ī in īsle	ō in ōver	ū in ūnite
	Short Sound	ă in ălone	ĕ in ĕver	ĭ in ĭt	ŏ in nŏt	ŭ in cŭt

*The prefix a- is usually used before a consonant. †The prefix an- is usually used before a vowel.

Competency Verification: Check your answers in Appendix B, Answer Key, pages 361–362. If you are not satisfied with your level of comprehension, review the terms in the table and retake the review.

Visit the *Medical Terminology Express* online resource center at *DavisPlus* for an audio exercise of the terms in this table. Other activities are also available to reinforce content.

Visit the Medical Language Lab at *medicallanguagelab.com* to enhance your study and reinforce this chapter's word elements with the flash-card activity. We recommend you complete the flash-card activity before continuing with the next section.

LIVEWORKSHEETS

Medical Vocabulary Recall

Match the medical term(s) below with the definitions in the numbered list.

appendectomy	gastritis	hyperemesis	neuroma	primigravida
chondromalacia	hepatocele	mastopexy	pelvimetry	rhinoplasty
dysphonia	hemophobia	myopathy	postnatal	tracheotomy

1. _____ is a surgical repair of the nose (to change shape or size).
2. _____ refers to a woman pregnant for the first time.
3. _____ is the act of measuring the pelvis.
4. _____ refers to a hernia or swelling of the liver.
5. _____ is an excision of the appendix.
6. _____ means excessive or above abnormal vomiting.
7. _____ is a surgical fixation of the breast(s).
8. _____ is an inflammation of the stomach.
9. _____ refers to a disease of muscle(s).
10. _____ pertains to (the period) after birth.
11. _____ means difficulty in speaking.
12. _____ is an incision of the trachea.
13. _____ is a tumor composed of nerve cells.
14. _____ means a softening of cartilage.
15. _____ refers to a fear of blood.

Competency Verification: Check your answers in Appendix B, Answer Key, page 363. If you are not satisfied with your level of comprehension, review the terms in the table and retake the review.

Correct Answers: _____ × 6.67 = _____ **% Score**

LIVEWORKSHEETS