

LESSON ASSIGNMENT

LESSON 3	Prefixes Pertaining to Medical Terminology.
LESSON ASSIGNMENT	Lesson 3, frame numbers 132-198.
LESSON OBJECTIVES	After completing this lesson, you should be able to:
	3-1. Given 10 of the 50 Latin and Greek medical related prefixes and a list of English meanings for these prefixes, write the English meaning in the space provided without error.
	3-2. Given 10 multiple choice questions on medical prefixes, select the most appropriate answer without

3-2. Given 10 multiple choice questions on medical prefixes, select the most appropriate answer without error.

Section II. PREFIXES - GENERAL INFORMATION

Prefixes are one or more letters or syllables which come <u>before</u> the stem (at the beginning of a word) to explain or add meaning to the rest of the term.

132	A prefix comes the stem.	hoforo
	******	before
133	In the term unforgettable, "forget" is the stem and "un" is the	
		prefix

134	In the words implant, supplant, and transplant, the prefixes are,, and	
		imp/sup/trans

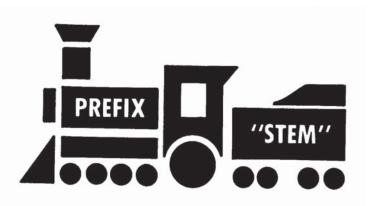
135	You can change the meaning of a term by putting a prefix before the	
	·	
		stem

136	Prefixes are the most frequently used elements in the formation of Greek and Latin words, but not every word contains a	
		prefix
	*******	ргенх
137	Prefixes may be divided into various categories of meaning depending on how they modify the stem, such as location, time, amount, color, negation, size, or position. Prefixes may be divided into various categories of	
	*****	meaning

138	To reinforce what you have learned, please write the correct word in each of the blanks in the following sentences.	
	a. A prefix comes the stem.	
		before (frame 132)
	b. In the term unforgettable, "forget" is the stem and "un" is the	
	*****	prefix (frame 133)
	 c. In the words implant, supplant, and transplant, the prefixes are,, and 	
	*****	imp/sup/trans (frame 134)
	 d. You can change the meaning of a term by putting a prefix before the 	
	*****	stem (frame 135)
	e. Not every Greek or Latin word contains a	
		prefix (frame 136)

	 f. Prefixes may be divided into various categories of 	
	*******	meaning (frame 137)

If you missed any of the questions in frame 138, please review the appropriate frame(s) before continuing to frame 139.



Section III. PREFIXES - PERTAINING TO LOCATION

We will now study the prefixes that indicate location.

139 The prefix <u>intra</u>- means inside or within. The dash after <u>intra</u>- indicates that the stem comes ______ (before, after) the prefix.

140 By combining the prefix <u>intra</u>- with the stem abdominal, you know it means ______ the abdomen.

in"trah-ab-dom'i-nal

after

INTRA/ENDO



ENDOMETRITIS

inside/within

141 <u>Endo</u>- is also a prefix meaning within or inside. Metro is the stem meaning uterus. <u>Endo</u>metritis, then, is a word which means inflammation _______ the uterus.

en"do-me-tri'tis

142 <u>Peri</u>- is a prefix which means around

or surrounding. Cardio is the stem for heart. <u>Peri</u>carditis, then, is a word which means inflammation ______the heart.

per"i-kar-di'tis

143 <u>Ec</u>- and <u>ecto</u>- are prefixes which mean out and outside. An <u>ectopic</u> pregnancy, for example, is a pregnancy which occurs ______ the uterine cavity.

ek-top'ik

INTRA/ENDO



INTRA-ABDOMINAL ENDOMETRITIS

inside/within

PERI



PERICARDITIS

around/surrounding



ECTOPIC PREGNANCY

outside

144 <u>Em</u>- and <u>en</u>- are also prefixes which mean within or inside. <u>Empyema</u>, for example, means pus ______ a body cavity.

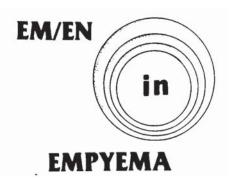
em"pi-e'mah

145 <u>Retro</u>- and <u>post</u>- are prefixes which mean behind. <u>Retro</u>cardial means located ______ the heart and <u>post</u>nasal means situated ______ the nose.

> ret"ro-kar'de-al post-na'zal

146 The prefixes <u>sub</u>- and <u>hypo</u>- mean under. <u>Sub</u>cutaneous, for example, means ______ the skin, and a <u>hypo</u>dermic needle is one that is inserted ______ the skin.

> sub"ku-ta'ne-us hi"po-der'mik



inside/within

RETRO/POST



behind, behind



SUBCUTANEOUS HYPODERMIC

under, under

147	Inter- is a prefix meaning between. The stem, costal, means ribs. Therefore, <u>inter</u> costal muscles are muscles which are the ribs.	INTER Bet Wee
	in"ter-kos'tal	INTERCOSTAL
148	In review, given the meaning of each of the following prefixes which indicate location:	between
	a. intra-/endo-:	
	**************************************	inside/within (frames 140 & 141)
	**************************************	around/surrounding (frame 142)
	**************************************	out/outside (frame 143)
	e. retro-/post-:	within/inside (frame 144)
	*****	behind (frame 145)
	f. sub-/hypo-:	under (frame 146)
	g. inter-:	between (frame 147)

149	To further reinforce what you have learned, write the correct word in each of the blanks in the following sentences:	
	a. The dash after intra- indicates that the stem comes (before, after) the prefix.	
		after (frame 139)
	b. Intra-abdominal means the abdomen.	
		inside/within (frame 140)
	c. Endometritis means inflammation the uterus.	
	d. Pericarditis means inflammation	inside/within (frame 141)
	the heart.	
	*****	around (frame 142)
	e. Ectopic pregnancy is one which occurs the uterine cavity.	
	*****	outside (frame 143)
	f. Empyema is a condition where there is an accumulation of pus a body cavity.	
	*****	inside/within (frame 144)
	g. Retrocardial means located the heart.	
	****	behind (frame 145)

h. Postnasal means situated the nose.	
******	behind (frame 145)
i. Subcutaneous indicates the skin.	
*******	under (frame 146)
 A hypodermic needle is one that is inserted the skin. 	
*******	under (frame 146)
 k. Intercostal muscles are muscles which are the ribs. 	
******	between (frame 147)

If you missed any of the questions in frames 148 and 149, please review the appropriate frame(s) before continuing to frame 150.

Section IV. PREFIXES - PERTAINING TO TIME

We will now study the prefixes that indicate time.

150 The prefixes <u>ante</u>- and <u>pre</u>- mean before. By combining the prefix <u>ante</u>with the stem partum, you know that <u>ante</u>partum means ______ childbirth.

an'te-par'tum

ANTE/PRE

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151	A <u>pre</u> operative medication is a medication which is given (before, during, after) surgery. pre-op'er-a-tiv	ANTE/PRE
		PREOPERATIVE
	****	before
152	The prefix <u>post</u> - also means after. Consequently, a <u>post</u> operative complication is a complication which occurred (before, during, after) surgery.	POST
	post-op'er-a-tiv	POST PARTUM POSTOPERATIVE
153	In review, give the meaning of each of the following prefixes which indicate time:	after
	a. ante-:	
	**************************************	before (frame 150)
	**************************************	before (frame 151)
154	To further reinforce what you have learned, please write the correct word in each of the blanks in the following sentences:	after (frame 152)
	a. Antepartum means childbirth.	before (frame 150)

b. A preoperative medication is one which is given ______ surgery.

c. A postoperative complication is one occurring ______ surgery.

before (frame 151)

after (frame 152)

If you missed any of the questions in frames 153 and 154, please review the appropriate frame(s) before continuing to frame 155.

Section V: PREFIXES - PERTAINING TO NEGATION

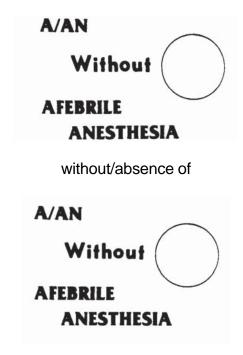
We will now study prefixes that indicate negation.

155 The prefixes <u>a</u>- or- <u>an</u> mean without or absence of. Therefore, <u>a</u>febrile means ______fever.

a-feb'ril

156 The stem esthesia means feeling. Therefore, <u>an</u>esthesia means ______ feeling.

an"es-the'ze-ah



157	The prefix <u>anti</u> - means against. The term antitoxin means toxin or poison.	STOP END BAN
	an"ti-tok'sin	NOR
		ANTITOXIN
	*****	against
158		
	a. a-:	
	************	without/absence of (frame 155)
	b. an-:	
	**************************************	without (frame 156)
	0. dhi	
	*****	against (frame 157)
159	To further reinforce what you have learned, please write the correct word in each of the blanks in the following sentences:	
	a. Afebrile means fever.	
	b. Anesthesia means	without/absence of (frame 155)
	feeling.	without/absence of (frame 156)
	c. Antitoxin means toxin	
	or poison.	against (frame 157)

If you missed any of the questions in frames 158 and 159, please review the appropriate frame(s) before continuing to frame 160.

Section VI. PREFIXES - PERTAINING TO AMOUNT OR COMPARISON

We will now study prefixes that indicate amount or comparison.

****** 160 Uni and mono- are prefixes which mean one or single. Monocyte, for example, refers to a _____ cell. MONO A unicycle has one wheel. mon'o-sit MONOCYTE single ***** 161 Bi- is a prefix indicating the number BI two. Bi-lateral, then, refers to _____ sides. A bicycle has two wheels. bi-lat'er-al BILATERAL two ***** 162 The prefix for three is tri. Therefore, the valve in the heart which has parts is called the tricuspid valve. A tricycle has three TRI wheels. tri-kus'pid TRICUSPID three *****

163 The prefix <u>quadri</u>- means four. A person with <u>quadri</u>plegia has paralysis in all _____ limbs.

kwod"ri-ple'je-ah

164 The prefixes <u>multi</u>- and <u>poly</u>- mean many or much. A person with <u>poly</u>neuritis has inflammation of ______ nerves.

pol"e-nu-ri'tis

165 The prefixes <u>hemi</u>- and <u>semi</u>- mean half. A person with <u>hemi</u>plegia has paralysis on one-_____ of the body.

hem"e-ple'je-ah

166 A person who is <u>semi</u>conscious is _____ conscious.

sem"e-kno'shus



QUADRIPLEGIA

four



POLYNEURITIS MULTIPARA

many

HEMIPLEGIA/ SEMICONSCIOUS

half



HEMIPLEGIA/ SEMICONSCIOUS

half

167 The prefix <u>hypo</u>- also means too little, or low. Therefore, a person with <u>hypo</u>tension has _____ blood pressure.

hi"po-ten'shun

168 <u>Hyper</u>- is a prefix that is just the opposite of hypo-. Hyper means above or high. A person with <u>hyper</u>tension, then, has blood pressure above the normal or _____ blood pressure.

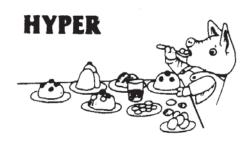
hi"per-ten'shun





HYPOTENSION

low

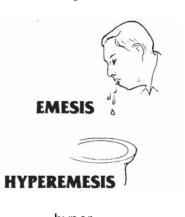


HYPERTENSION

high

169 Emesis, as you know from lesson 2, is a word that means vomiting. A word that means excessive vomiting is ______ emesis.

hi"per-em'e-sis



hyper

170 The prefix for fast is <u>tachy</u>-. A person with <u>tachy</u>cardia has an abnormally ______ heartbeat.

171 The prefix for slow is brady-. A person

heartbeat.

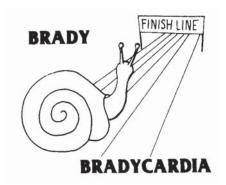
brad"e-kar'de-ah

with bradycardia has an abnormally

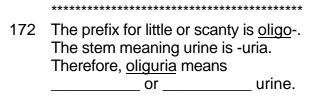
tak'e-kar'de-ah



fast



slow



ol"i-gu're-ah

- 173 In review, give the meaning of each of the following prefixes which indicate amount or comparison:
 - a. Mono-: _____



little/scanty

one/single (frame 160)

b. Bi-:	
******	two/double (frame 161)
c. Tri-:	
*****	three (frame 162)
d. Quadri:	
******	four (frame 163)
e. Multi-/Poly-:	
******	many/much (frame 164)
f. Hemi-/Semi-:	
*******	half (frame 165)
д. Нуро-:	
*****	low (frame 167)
h. Hyper-:	
****	high (frame 168)
i. Tachy-:	
*****	fast (frame 170)
j. Brady-:	
******	slow (frame 171)
k. Oligo-:	
******	little/scanty (frame 172)

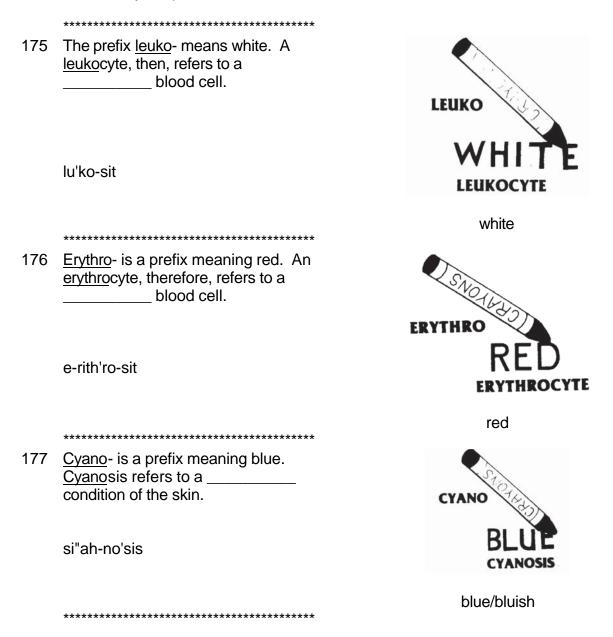
174	To further reinforce what you have learned, please write the correct word in each of the blanks in the following sentences.	
	a. Monocyte refers to a cell.	
	b. Bilateral refers to sides.	single (frame 160)
	c. The tricuspid valve in the heart has parts.	two (frame 161)
	d. A person with quadriplegia has paralysis of limbs.	three (frame 162)
	e. The medical term polyneuritis indicates inflammation of	four (frame 163)
	nerves. f. When a person has hemiplegia, he has paralysis on one of the body.	many (frame 164)
	g. A person who is semiconscious is conscious.	half (frame 165)
	h. A person with hypotension has blood pressure.	half (frame 165)
	******	low (frame 167)

i. A person with hypertension has blood pressure.	
******	high (frame 168)
j. Tachycardia indicates an abnormally heartbeat.	
*****	fast (frame 170)
k. Bradycardia refers to an abnormally heartbeat.	
*****	slow (frame 171)
I. Oliguria means urine.	
******	little/scanty (frame 172)

If you missed any of the questions in frames 173 and 174, please review the appropriate frame(s) before continuing to frame 175.

Section VII. PREFIXES - PERTAINING TO COLOR

We will now study the prefixes that indicate color.



178	Melano- is a prefix meaning dark or
	black. A melanoma is a malignant or
	tumor.

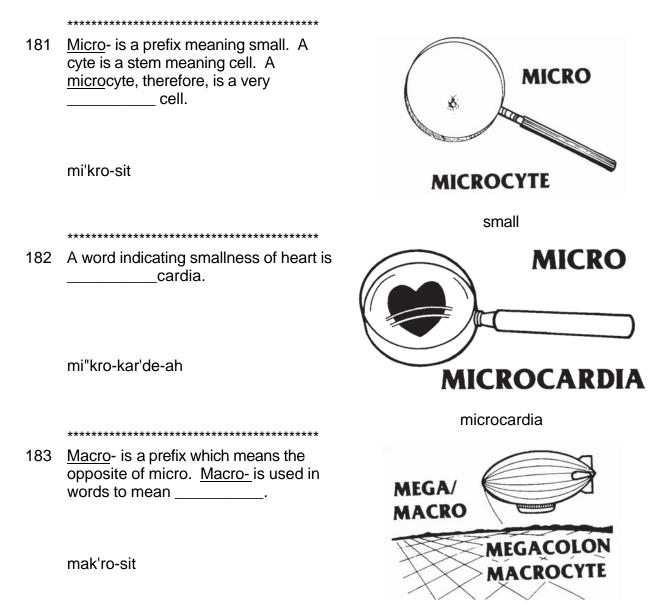
178	<u>Melano</u> - is a prefix meaning dark or black. A <u>melano</u> ma is a malignant or	MELANO
	tumor. mel"ah-no'mah	MELANOMA
		 Advantacione de la construcción de la
	******	dark/black
	An Invitation to Y	'our Love
	Oh! Beauty rare with eye Shimmering, shining hair Pearly teeth, and lips ery Cheeks where only peac Warm and lovely skin so Come with me into my no	r melano, thro, hes will grow, leuko,
179	In review, give the meaning of each of the following prefixes which indicates color.	
	a. Leuko-:	
	*****	white (frame 175)
	b. Erythro-:	red (frame 176)
	c. Cyano-:	blue (frame 177)
	d. Melano-:	
	**********	dark/black (frame 178)

180	To further reinforce what you have learned, please write the correct word in each of the blanks in the following sentences.	
	a. A leukocyte is a blood cell.	
	*****	white (frame 175)
	b. An erythrocyte is a blood cell.	
	*****	red (frame 176)
	c. Cyanosis is a condition of the skin.	
	*****	blue (frame 177)
	d. When someone has a melanoma, he has a malignant mole or tumor.	
	*******	dark/black (frame 178)

If you missed any of the questions in frames 179 and 180, please review the appropriate frame(s) before continuing to frame 181.

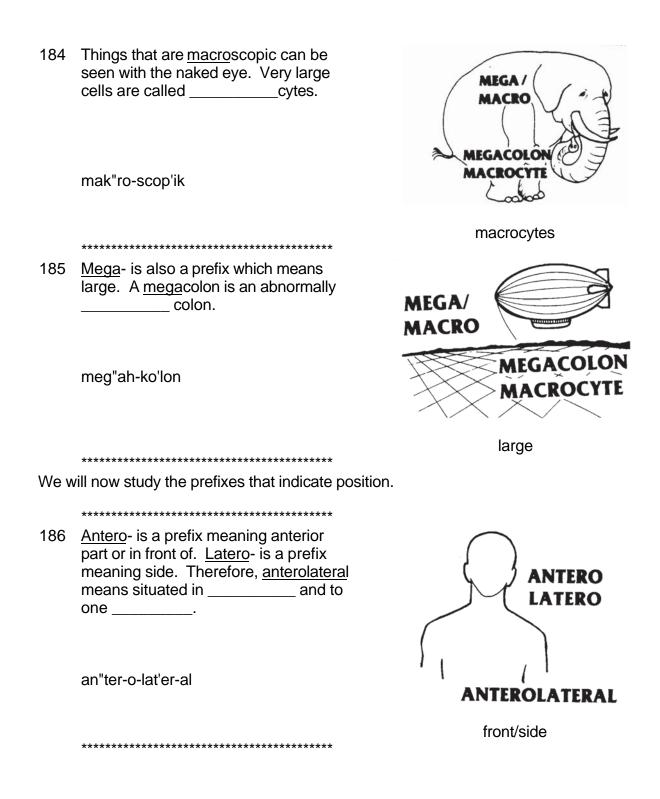
Section VIII. PREFIXES - PERTAINING TO SIZE AND POSITION

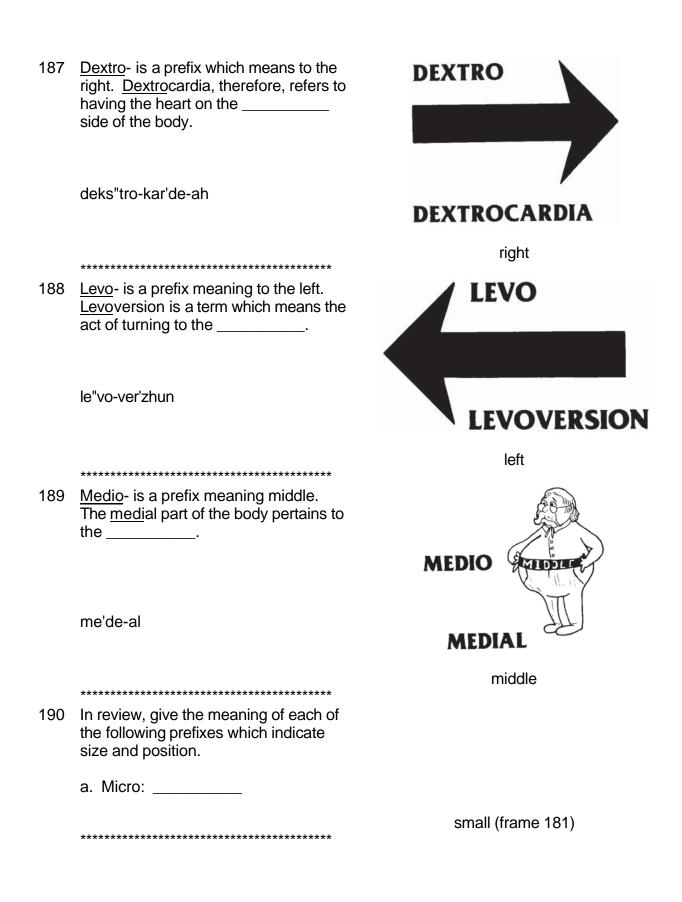
We will now study the prefixes that indicate size.



large

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	b. Macro-:	
	******	large (frame 183)
	c. Mega-:	
	**************************************	large (frame 185)
	*****	to the front (frame 186)
	e. Latero-:	
	*****	to the side (frame 186)
	f. Dextro-:	to the right (frame 187)
	see Levo-:	
	- ************************************	to the left (frame 188)
	n. mean	middle (frame 189)
191	To further reinforce what you have learned, please write the correct word in each blank in the following sentences.	
	a. A microcyte is a very cell.	
	b. Macrocytes are very	small (frame 181)
	CEIIS.	large (frame 183)

large (frame 185)
front/side (frame 186)
right (frame 187)
$\int dt (f_{\rm Herm} = 4.00)$
left (frame 188)
middle (frame 189)

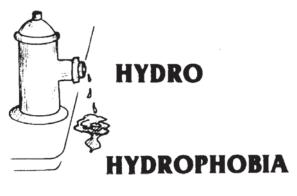
If you missed any of the questions in frames 190 and 191, please review the appropriate frame(s) before continuing to frame 192.

Section IX. PREFIXES - PERTAINING TO MISCELLANEOUS ITEMS

We will now conclude our study of the prefixes with some miscellaneous ones.

***** 192 Hydro- is a prefix meaning water. Hydrophobia, then, means fear of

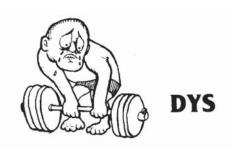
hi"dro-fo'be-ah



water

**** 193 Dys- is a prefix meaning difficult or painful. A patient with dyspnea would be experiencing ____ _____ or

_____ breathing.



DYSPNEA

disp'ne-ah

194 Nox- and noct- are prefixes meaning night. Nocturia, therefore, means urination during the _____.

nok-tu're-ah



difficult/painful

night

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195	Mal- is a prefix meaning bad.
	Malodorous means having a
	odor.

mal-o'der-es



bad

196	Pan- is a prefix meaning total or all. A panhysterectomy, therefore, is a hysterectomy.	PAN
	pan"his-ter-ek'to-me	PANHYSTERECTOMY
	******	total
197	In review, give the meaning of each of the following prefixes.	
	a. Hydro-:	
	**************************************	water (frame 192)
	*****	difficult/painful (frame 193)
	c. Nox/Noct-:	
	******	night (frame 194)
	d. Mal-:	
	*****	bad (frame 195)
	e. Pan-:	
	*****	all or total (frame 196)

198	To further reinforce what you have learned, please write the correct word in each blank in the following sentences.	
	a. A person with hydrophobia has a of water.	
	*****	fear (frame 192)
	 b. A patient with dyspnea would be experiencing or breathing. 	
	c. Nocturia means urination at	difficult/painful (frame 193)
	d. If something is malodorous, it has a odor.	night (frame 194)
	*****	bad (frame 195)
	e. A panhysterectomy is a hysterectomy.	
	**********	total (frame 196)

If you missed any of the questions in frames 197 and 198, please review the appropriate frame(s) before continuing.

Continue with Self-Assessment

LESSON ASSIGNMENT

LESSON 4	Suffixes Pertaining to Medical Terminology.
LESSON ASSIGNMENT	Lesson 4, frame numbers 199-245.
LESSON OBJECTIVES	After completing this lesson, you should be able to:
	Give 10 of the 35 Latin and Greek medical suffixes and a list of English meanings of these suffixes, write the English meaning in the space provided without error.