Dental Terminology 4th edition Kindle Solutions Manual

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Solution and Answer Guide

Kindle/Dofka, Dental Terminology 4e, ISBN 9780357456828, Chapter 1: Introduction to Dental Terminology

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Review Exercises

Matching

1. C, 2. P, 3. I, 4. K, 5. H, 6. B, 7. F, 8. E, 9. N, 10. Q, 11. L, 12. J, 13. R, 14. S, 15. M, 16. A, 17. D, 18. T, 19. G, 20. O.

Definitions

1. a. labia
2. d. -algia
3. b. ad-
4. b. HVE
5. c. syn-
6. c. mandible
7. d. -necrosis
8. d. orth/o
9. c. -gram
10. a. bi- and semi-
11. b. apic/o
12. d. die
13. c. frena
14. a. hypo-
15. c. -ologist

Building Skills

1. **bifurcation**
   - *prefix* bi = two
   - *root* furca = branch
   - *suffix* tion = condition of

6. **malocclusion**
   - *prefix* mal = bad
   - *root* occlus = occlud
   - *suffix* sion = relating to

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2. **transillumination**
   prefix trans = through
   root illumina = light
   suffix tion = condition
3. **vasoconstrictor**
   prefix none
   root vaso = vessel, constrict = tighten
   suffix or = agent
4. **interdental**
   prefix inter = between
   root dent = tooth
   suffix al = concerning, about
5. **periodontitis**
   prefix perio = around
   root dont = tooth
   suffix itis = infection
7. **submandibular**
   prefix sub = under
   root mandibul = mandible
   suffix ar = pertaining to
8. **biodegradeable**
   prefix bio = life
   root degrad = break down
   suffix able = capable of
9. **myocardium**
   prefix none
   root my = muscle, card = heart
   suffix ium = condition
10. **orthodontist**
    prefix orth = straight
    root dont = tooth
    suffix ist = specialist, agent

Plurals

1. ala	alae	9. bacillus	bacilli
2. apex	apices	10. labium	labia
3. calculus	calculi	11. therapy	therapies
4. diagnosis	diagnoses	12. focus	foci
5. larynx	larynges	13. fossa	fossae
6. dens	dentes	14. enema	enemata
7. bacterium	bacteria	15. appendix	appendices
8. carcinoma	carcinomas		

Word Use

1. **anesthesia** = without feeling
2. **gingivectomy** = excision of the gingival
3. **cheilosis** = morbid lip condition
6. **biopsy** = microscopic exam
7. **radiograph** = x-ray
8. **carcinoma** = malignant tumor

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4. **sublingual** = under the tongue
5. **temporomandibular**= joint of mandible and temporal bone
9. **posterior** = to the back, rear
10. **trifurcation** = three divisions

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Instructor Manual

Kindle/Dofka, Dental Terminology 4e, ISBN 9780357456828, Chapter 1: Introduction to Dental Terminology

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Purpose and Perspective of the Chapter

This chapter identifies the various word parts used in dental terms; defines commonly used roots, suffixes, and prefixes; and identifies strategies to analyze unfamiliar dental terms and pronunciation.

Cengage Supplements

The following product-level supplements provide additional information that may help you in preparing your course. They are available in the Instructor Resource Center.

- PowerPoint Chapter 1

Chapter Objectives

The following objectives are addressed in this chapter:

01.01 Identify the roles of the four types of word parts used in forming dental terms.

01.02 Use your knowledge of word parts to analyze unfamiliar dental terms.

01.03 Define the commonly used word roots, combining forms, suffixes, and prefixes introduced in this chapter.

01.04 Use the "sounds-like" pronunciation system and audio files to correctly pronounce the primary terms introduced in this chapter.

01.05 Recognize the importance of spelling dental terms correctly.

01.06 State why caution is important when using abbreviations.

01.07 Recognize, define, spell, pronounce, and correctly use the dental words introduced in this chapter.

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Key Terms

-algia (AL-jee-ah)	intra- (**INN**-trah)	-trophy (**TROH**-fee)
ante- (AN-tea)	-itis (**EYE**-tiss)	Acronyms
anti- (AN-tie)	-oid (**OYD**)	Homonyms
Bi- (BYE)	-ologist (**AH**-logh-jist)	Eponyms
dys- (DIS)	-otomy (**AH**-toh-mee)	Prefix
-ectomy (**ECK-**toh-me)	peri- (**PEAR**-ee)	combining form
endo- (**EN**-doe)	-plasty (**PLAS**-tee)	suffix
hyper- (**HIGH**-per)	poly- (**PAHL**-ee)	root word
hypo- (**HIGH**-poh)	retro- (**REH**-troh)	syncope
infra- **(INN**-frah)	supra (**SOO**-prah)	xerostomia

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What's New in This Chapter

The following elements are improvements in this chapter from the previous edition:

- New tests and examples have been added throughout the chapter for more enforcement and understanding of the lesson.

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Chapter Outline

I. Locate the Dental Word
II. Pronounce the Dental Word
III. Analyze the Structure of the Dental Word
    a. Prefix
    b. Suffix
IV. Define the Meaning of the Dental Word
V. Pluralize the Dental Word
VI. Use the Dental Word

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Additional Activities and Assignments

1. **Student Exercises Related to Objectives**
    - Objective #1: Distribute lists of words composed of acronyms, homonyms, and eponyms. Assign students to identify each type of word. Give extra points to students who can name or supply other words that qualify.
    - Objective #2: Lead the pronunciation of various words with the students.
    - Objective #3: Assign students to compose words using the lists of combining words. (Be prepared for originality!) After demonstrating combining words, give students a list of prefixes denoting quantity or number, color, size or degree, location or direction, condition; another list of root words; and a list of suffixes used as adjectives, indicators of condition, or agents and concerned persons, indicators of medical terms or processes or uses (students can download word lists on CourseMate).
    - Objective #4: Distribute a list of words and ask the students to break apart each word and determine its definition. Start with easier terms and progress to more complex words to build the students' confidence.
    - Objective #5: Distribute lists of words in either singular or plural form. Ask the students to first say if the word shown is singular or plural, then change to the alternate form of the word on the list.
    - Objective #6: From the list of words you distribute, have students break the terms into word parts and give the meaning for the word. Ask the students to write a sentence that includes each of the words properly.

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Additional Resources

Cengage Audio Resources

- Audio files for each of the chapter's key terms can be found on the student companion website. When you work with the audio for this chapter, listen to the word, repeat it, and then proceed to the next word.

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Appendix

Generic Rubrics

Providing students with rubrics helps them understand expectations and components of assignments. Rubrics help students become more aware of their learning process and progress, and they improve students' work through timely and detailed feedback.

Customize this rubric template as you wish. Both the writing rubric and the discussion rubric indicate 30 points.

Standard Writing Rubric

Criteria	Meets Requirements	Needs Improvement	Incomplete
Content	The assignment clearly and comprehensively addresses all questions in the assignment. 15 points	The assignment partially addresses some or all questions in the assignment. 8 points	The assignment does not address the questions in the assignment. 0 points
Organization and Clarity	The assignment presents ideas in a clear manner and with strong organizational structure. Coverage of facts, arguments, and conclusions are logically related and consistent. 10 points	The assignment presents ideas in a mostly clear manner and with a mostly strong organizational structure. Coverage of facts, arguments, and conclusions are mostly logically related and consistent. 7 points	The assignment does not present ideas in a clear manner and with strong organizational structure. Coverage of facts, arguments, and conclusions are not logically related and consistent. 0 points
Grammar and Spelling	The assignment has two or fewer grammatical and spelling errors. 5 points	The assignment has three to five grammatical and spelling errors. 3 points	The assignment is incomplete or unintelligible. 0 points

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Standard Discussion Rubric

Criteria	Meets Requirements	Needs Improvement	Incomplete
Participation	Submits or participates in discussion by the posted deadlines. Follows all assignment. instructions for initial post and responses. 5 points	Does not participate or submit discussion by the posted deadlines. Does not follow instructions for initial post and responses. 3 points	Does not participate in discussion. 0 points
Contribution Quality	Comments stay on task. Comments add value to discussion topic. Comments motivate other students to respond. 20 points	Comments may not stay on task. Comments may not add value to discussion topic. Comments may not motivate other students to respond. 10 points	Does not participate in discussion. 0 points
Etiquette	Maintains appropriate language. Offers criticism in a constructive manner. Provides both positive and negative feedback. 5 points	Does not always maintain appropriate language. Offers criticism in an offensive manner. Provides only negative feedback. 3 points	Does not participate in discussion. 0 points

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