open.michigan

Author(s): Francis Adu-Ababio, Nejay Ananaba, Lynn A. Johnson, Mathilde C. Peters

License: Unless otherwise noted, this material is made available under the terms of the **Creative Commons Attribution 3.0 License**: http://creativecommons.org/licenses/by/3.0/

We have reviewed this material in accordance with U.S. Copyright Law and have tried to maximize your ability to use, share, and adapt it. The citation key on the following slide provides information about how you may share and adapt this material

Copyright holders of content included in this material should contact **open.michigan@umich.edu** with any questions, corrections, or clarification regarding the use of content.

For more information about how to cite these materials visit http://open.umich.edu/education/about/terms-of-use.

Any **medical information** in this material is intended to inform and educate and is **not a tool for self-diagnosis** or a replacement for medical evaluation, advice diagnosis, or treatment by a healthcare professional. Please speak to your physician if you have questions about your medical condition.

Viewer discretion is advised: Some medical content is graphic and may not be suitable for all viewers.





Attribution Key

for more information see: http://open.umich.edu/wiki/AttributionPolicy

Use + Share + Adapt

{ Content the copyright holder, author, or law permits you to use, share and adapt. }

	Public Domain – Government: Works that are produced by the U.S. Government.	(17 USC §	105)
--	---	-----------	------

Public Domain - Expired: Works that are no longer protected due to an expired copyright term.

Public Domain – Self Dedicated: Works that a copyright holder has dedicated to the public domain.

(cc) ZERO Creative Commons – Zero Waiver

Creative Commons – Attribution License

Creative Commons – Attribution Share Alike License

Creative Commons – Attribution Noncommercial License

© BY-NC-SA Creative Commons – Attribution Noncommercial Share Alike License

SOLUTION GNU − Free Documentation License

Make Your Own Assessment

{ Content Open.Michigan believes can be used, shared, and adapted because it is ineligible for copyright. }

Public Domain – Ineligible: Works that are ineligible for copyright protection in the U.S. (17 USC § 102(b)) *laws in your jurisdiction may differ

{ Content Open.Michigan has used under a Fair Use determination. }

Fair Use: Use of works that is determined to be Fair consistent with the U.S. Copyright Act. (17 USC § 107) *laws in your jurisdiction may differ

Our determination **DOES NOT** mean that all uses of this 3rd-party content are Fair Uses and we **DO NOT** guarantee that your use of the content is Fair.

To use this content you should do your own independent analysis to determine whether or not your use will be Fair.

Name:	Date:	Nov 2010
Select one: Dental Student Resident COHO*	E-mail:	

Applied Cariology - Short Course

Directions: The following questions have been designed to measure your perception of your knowledge, experience, and confidence on various items. With each statement are three indicators of your involvement. For each of the questions indicate how you feel about your knowledge, experience, and confidence.

Example:

Select one indicator in each of the three boxes.

	kn	owledge							
	low	high							
1) Perform CPR	A B	C D	Е						
				exper	ience				
				ow	hi	gh			
2) Perform CPR			A	ВС	D	Е			
							co	nfide	nce
							low		high
3) Perform CPR							A B	C	D E

This would mean that I have a great deal of knowledge (response of E=high) about how to perform CPR, I have little experience (response of A=low) performing CPR, but I am moderately confident (response of C=medium) in my ability to perform CPR.

Now continue to complete all of items below.

		knowledge													
	1	ow		hig	gh										
1) Explain the caries process to a patient or a patient's parent.	A	В	С	D	Е										
							experience								
						lo	w		hig	h					
2) Explain the caries process to a patient or a patient's parent.						A	В	С	D	Е					
												coı	nfide	nce	
											10	ow		hig	gh
3) Explain the caries process to a patient or a patient's parent.											A	В	С	D	Е

^{*} COHO: Community Oral Health Officer

		kn	owl	edge	e										
	low			hig											
4) Explain the physiologic	A	В	С	l)]	Е									
demineralization and mineralization															
processes to a patient.															
							ex	peri	ence						
						low	7	•	high						
5) Explain the physiologic						A	В	С		F	3				
demineralization and mineralization															
processes to a patient.															
												co	nfid	ence	
											low	7		high	l
6) Explain the physiologic											A	В	С	D	Е
demineralization and mineralization															
processes to a patient.															
		kne	owle	edge											
	low			higl	1										
7) Explain the difference between	A	В	С	D	E	l l									
caries, fluorosis, and erosion to a															
patient or patient's parent.															
							ex	perie	ence						
						low			high						
8) Explain the difference between						A	В	С	D	Е					
caries, fluorosis, and erosion to a															
patient or patient's parent.															
												co	nfide	ence	
											low			high	
9) Explain the difference between											A	В	С	D	Е
caries, fluorosis, and erosion to a															
patient or patient's parent.															
			owle	edge											
	low			higl	1										
10) Explain the difference in	A	В	C	D	E										
progression patterns between															
smooth surface caries and fissure															
caries to a health care worker.															
							ex _]	perie							
						low			high						
11) Explain the difference in						A	В	C	D	Е					
progression patterns between															
smooth surface caries and fissure															
caries to a health care worker.															
												CO	nfide		
											low			high	
12) Explain the difference in											A	В	C	D	E
progression patterns between															
smooth surface caries and fissure															
caries to a health care worker.															

		kno	owle	dge											
	low			high											
13) Advise caries management steps to control the disease to patients and patient's parents.	A	В	С	D	Е										
						1	exp	erie							
10.41						low	- D		high						
14) Advise caries management steps to control the disease to patients and patient's parents.						A	В	С	D	Е					
												co	nfide	ence	
											low			high	
15) Advise caries management steps to control the disease to patients and patient's parents.											A	В	С	D	Е
	low	kn	owle	dge high											
16) Perform ART as a caries management strategy.	A	В	С	D	Е										
						low	exp	erie	nce high						
17) Perform ART as a caries management strategy.						A	В	С	D	Е					
												co	nfide	nce	
											low			high	
18) Perform ART as a caries management strategy.											A	В	С	D	Е
	low	kn	owle	d ge high											
19) Improve the oral health behavior of my patient.	A	В	С	D	Е										
						low	exp	erie	nce high						
20) Improve the oral health behavior of my patient.						A	В	С	D	Е					
												co	confidence		
											low			high	
21) Improve the oral health behavior of my patient.											A	В	С	D	Е

Directions: Mark if each of the following statements is either true or false.

	Statement	True	False					
22)	2002-2005 WHO-data from Ghana showed a 26% increase in caries		raise					
22)	prevalence.							
23)	Enamel has a tubular, highly inorganic structure.							
24)	The volume% of organic material in dentin is ten times higher than that of enamel.							
25)	In response to a small incipient caries lesion in enamel, the dentin demineralizes and forms reactive dentin. Bacterial invasion is the first step in the caries process.							
26)	Due to its composition, dentin is more vulnerable to the caries process than enamel.							
27)	Once started, the carious process in the enamel spreads in all directions.							
28)	A cavity that is kept clean will remineralize by exposure to healthy saliva.							
Directions : Answer each of the following questions with no more than 5 sentences. Please do not guess If you do not know the answer, please leave the question blank.								
29)	List four things that are necessary for caries disease to progress (Keyes diagra	m).						
30)	What are the two major diseases important for the differential diagnosis of car	ries?						
30)	what are the two major diseases important for the differential diagnosis of car	iles?						

31)	Describe the start of the caries process resulting in an incipient lesion.
32)	Describe the difference in progression patterns of fissure caries compared to smooth surface
,	caries.
33)	Describe the natural defense mechanisms in dentin and pulp.

