

1 Which of the following statements is correct?:

The vast majority of plaque bacteria :

- a ferment xylitol into cariogenic end-products
- b ferment xylitol into lactate
- c cannot ferment xylitol into cariogenic end-products

2 Which of the following statements is correct?

- a After a sucrose challenge, plaque acid production is greater for patients with high levels of streptococcus mutans
- b After a sucrose challenge, plaque acid production is unchanged for patients with high levels of streptococcus mutans
- c After a sucrose challenge, plaque acid production is lesser for patients with high levels of streptococcus mutans

3 Which of the following statements is correct?

- a Clearance of substrates by saliva is slowest in the anterior region of the maxilla and fastest in the canine/premolar region of the mandible
- b Clearance of substrates by saliva is slowest in the anterior region of the maxilla and the canine/premolar region of the mandible
- c Clearance of substrates by saliva is fastest in the anterior region of the maxilla and the canine/premolar region of the mandible
- d Clearance of substrates by saliva is fastest in the anterior region of the maxilla and slowest in the canine/premolar region of the mandible

4 Which of the following statements is correct?

Based on past experience, caries free subjects tend to show:

- a a lower pH after sucrose challenge
- b an unchanged pH after sucrose challenge
- c a higher pH after sucrose challenge

5 Which of the following statements is not correct?

- a The Clin-Pro Cario-LPop test employs a biochemical method to assess pH using biofilm samples from the tongue
- b The Clin-Pro Cario-LPop test employs a biochemical method to assess Sucrose levels using biofilm samples from the tongue
- c The Clin-Pro Cario-LPop test employs a biochemical method to assess lactic acid using biofilm samples from the tongue

6 Which of the following statements is correct?:

- a Streptococcus sobrinus and streptococcus mutans do not produce extracellular polysaccharides from sugar
- b Streptococcus sobrinus and streptococcus mutans produce soluble extracellular polysaccharides from sugar
- c Streptococcus sobrinus and streptococcus mutans produce insoluble extracellular polysaccharides from sugar

7 Which of the following statements is correct?

In the process of fermentation by dental plaque, when sucrose is present in large quantities.

- a carbonate is a major product
- b lactate is a major product
- c succinate is a major product

8 Which of the following statements is correct?

The Vipeholm study in the 1950's demonstrated that frequent intake of foods with high sucrose concentration increases caries activity, and the primary mechanism for this is the production of

- a butyrate
- b propionate
- c lactate
- d acetate

9 Which of the following statements is correct?:

- a acid production following a sucrose challenge differs both between patients and between sites in the same patient
- b acid production following a sucrose challenge does not differ between patients
- c acid production following a sucrose challenge does not differ between sites in the same patient

10 Which of the following statements is correct?:

Clinical studies have shown that processed cheese is:

- a acidogenic
- b hypo-acidogenic
- c anti-acidogenic
- d b and c
- e all of the above
- f none of the above

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