

1 Which of the following statements is correct?

- a Gutta-percha in the beta phase has a fusion temperature of about 80°C and horizontally aligned molecular chains
- b Gutta-percha in the beta phase has a fusion temperature of about 70°C and vertically aligned molecular chains
- c Gutta-percha in the beta phase has a fusion temperature of about 60°C and randomly aligned molecular chains
- d Gutta-percha in the beta phase has a fusion temperature of about 50°C and randomly aligned molecular chains

2 Which of the following statements is correct?

Flexibility of Ni-Ti is greater than that of stainless steel and

- a fracture does not occur often
- b fracture often occurs insidiously
- c if instrument fracture occurs, it usually does so in the apical third of the root canal
- d a and b
- e b and c
- f all of the above
- g none of the above

3 Which of the following statements is correct?:

Recent studies have shown that Ni-Ti instruments

- a remain more centered in the apical lumen
- b reduce the number of zips, ledges and apical transportations
- c remove less dentin
- d produce rounder preparations
- e are faster in shaping the root canal walls
- f a and c
- g b and e
- h all of the above
- i none of the above

4 Which of the following statements is correct?

- a Chemically, pure gutta-percha exists in only one crystalline form
- b Chemically, pure gutta-percha exists in two crystalline forms that can be converted into each other
- c Chemically, pure gutta-percha exists in two crystalline forms that cannot be converted into each other

5 Which of the following statements is correct?

Spanberg et al found that 5.25% sodium hypochlorite is stronger than necessary and is toxic for the patient, and he suggested using a concentration of

- a 1%
- b 2%
- c 3%
- d 4%

6 Which of the following statements is correct?:

Laurichesse et al in 1971 and Ritano in 1976 proposed:

- a preparation of the apical third of a root canal before the preparation of the middle and coronal third
- b preparation of the apical third of a root canal after the preparation of the middle and coronal third
- c preparation of the apical third of a root canal at the same time as the preparation of the middle and coronal thirds

7 Which of the following statements is correct?:

Although Ni-Ti instruments vary considerably in their design, they may be classified in the following main categories:

- a radial planes (rake angle)
- b vertical groves
- c passive cutting angles
- d active cutting angles
- e a and b
- f b and c
- g c and d
- h a and d
- i all of the above
- j none of the above

8 Which of the following statements is correct?

Clinicians tend to divide the root canal obturation procedures into the following fields:

- a lateral compaction of warm gutta-percha
- b vertical compaction of cold gutta-percha
- c lateral compaction of cold gutta-percha
- d vertical compaction of warm gutta-percha
- e a and b
- f b and c
- g c and d

9 Which of the following statements is correct?

- a It is advisable to use a lubricant in the initial preparation stages
- b It is not advisable to use a lubricant in the initial preparation stages
- c It is advisable to use a lubricant in the initial preparation stages only to reduce friction and torsional stress
- d It is not advisable to use a lubricant in the initial preparation stages only to reduce friction and torsional stress
- e It is advisable to use a lubricant in the initial preparation stages not only to reduce friction and torsional stress but to reduce the accumulation of debris

10 Which of the following statements is correct?

- a Gutta-percha in the alpha phase has a fusion temperature of about 90°C and horizontally aligned molecular chains
- b Gutta-percha in the alpha phase has a fusion temperature of about 90°C and vertically ally aligned molecular chains
- c Gutta-percha in the alpha phase has a fusion temperature of about 70°C and horizontally aligned molecular chains
- d Gutta-percha in the alpha phase has a fusion temperature of about 70°C and horizontally aligned molecular chains
- e Gutta-percha in the alpha phase has a fusion temperature of about 70°C and vertically aligned molecular chains



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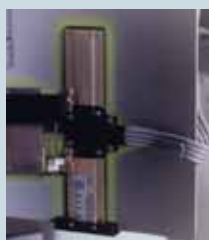
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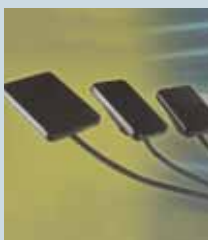
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