313 RDS

1. **Define liners**

Are relatively thin layers of material used primarily to provide barrier to protect dentin against chemical irritation such as residual reactant from dental materials, michroleakage, electrical insults and thermal insults (thicker liners (> then 0.5) provide thermal protection . some provide pulpal treatment

1. **Mention one advantage and one disadvantage of Calcium Hydroxide .**

ADVANTAGE:

1. encourage dentinal bridging
2. formation of reparative dentin
3. antibacterial effect
4. chemical barrier between irritating material and pulp

DISADVANTAGES:

1. High solubility
2. Weak material
3. Gab formation

1. **Vetrebond , GC Fuji Lining LC is an example of light cured GIC liner. Mention one advantage of this material**

ADVANTAGE:

1. BONDS COMPOSITE TO TOOTH STRUCTURE
2. FLD RELEASE
3. Longer working time and stronger than conventional GIC
4. Not as technique sensitive as conventional GIC

1. **Bases are cements that are applied as a thick layer …1-1.5 mm in thickness to provide thermal and mechanical protection for the pulp**
2. When the composite resin is the material of choice to restore a cavity, ………………IRM, ZOE………. CANNOT be used as a temporary material.

Explain WHY ?

IRM contains ZOE that inhibits polymerization of the resin