

# Advanced True/False Exam – Suppositories

1. Suppositories exert only local effects and are never used for systemic drug delivery.
2. The size and shape of suppositories are designed primarily to maximize drug loading rather than ease of insertion.
3. Cocoa butter is considered a synthetic oleaginous base due to its triglyceride composition.
4. One major disadvantage of cocoa butter is its polymorphic behavior, which can affect melting characteristics.
5. Water-soluble bases such as PEG require refrigeration because their melting point is below body temperature.
6. Glycerinated gelatin suppositories typically require preservatives to enhance shelf life.
7. PEG suppositories are more suitable for hot climates because of their higher melting point compared to body temperature.
8. Lubrication of molds is unnecessary for cocoa butter suppositories because they contract significantly upon cooling.
9. Glycerinated gelatin suppositories do not require mold lubrication during preparation.
10. The molding method is less commonly used than compression in industrial suppository production.
11. In the molding process, drug incorporation occurs after the suppository base has completely solidified.
12. Replacement factor represents the amount of drug displaced by a given amount of base.
13. In the American method, cocoa butter is arbitrarily assigned a replacement factor value of 1.
14. Displacement value is defined as the amount of base displaced by 1 g of drug.
15. A higher displacement value indicates that a smaller amount of drug is needed to displace a given amount of base.
16. In glycerol-gelatin bases, 1 g occupies the same volume as 1 g of theobroma oil.
17. Suppositories intended for rectal use must always be labeled "For rectal use only. Do not swallow."
18. During preparation, cocoa butter should not be heated above approximately 36°C to avoid changes in its properties.
19. PEG bases are slippery and difficult to handle compared to fatty bases.
20. Miscellaneous bases may include emulsions, often of water-in-oil (w/o) type.

# Model Answers

1. False
2. False
3. False
4. True
5. False
6. True
7. True
8. False
9. True
10. False
11. False
12. False
13. True
14. False
15. True
16. False
17. True
18. True
19. False
20. True