

ELEMSON BOMA JESSE

CHM 102

MEDICAL AND HEALTH SCIENCES

HUMAN ANATOMY

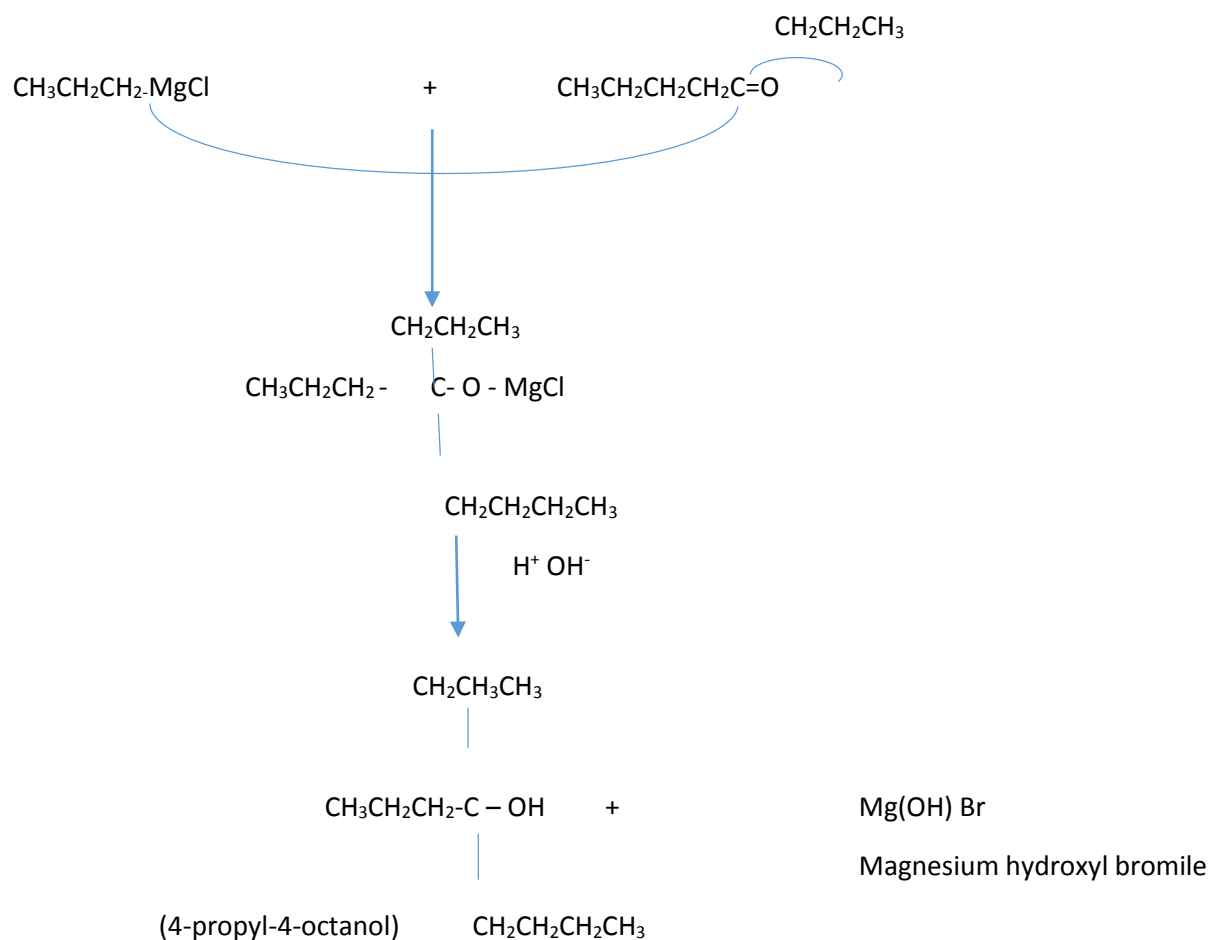
19/MHS03/003

ASSIGNMENT:

1. The two major classifications of alkanols are;

a) Based on the number of hydrogen atoms attached to the carbon containing the hydroxyl group. It consist of primary alkanol, secondary alkanol and tertiary alkanol. Examples; CH_3OH Methanol (primary alcohol), $\text{CH}_3\text{C}(\text{OH})\text{CH}_3$ Propan-2-ol (secondary alcohol)

b) Based on the number of the hydroxyl groups they possess. It consists of; monohydric, dihydric, trihydric alkanol. Examples are; $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$ Propanol (Monohydric alkanol), $\text{CH}_3\text{CH}(\text{OH})\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\text{CH}_3$ Hexane-2,4-diol(Dihydric alkanol)



Specific examples:

