NOTE TAKING GUIDE

Student Name: Wala Clark

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Notes:

• took general surfboard design concepts
• defined terms well
• Z lines - rocker line + rail curve
• floatation laws - follow line and multiply by weight
• curvature needs to match wave shape
• board length allows for more board rail
• SA determines drag based on weight displacement
• rocker affects the trim of the board
• more rocker means a smoother water entry
• insufficient rail design causes a slower trimming
• board speed is only relative to water
• acceleration is speed caused by g
• shape of rails is crucial to internal drag
• eliminate drag w/ board rails
• harder "alt" motion w/ smoother rails
• buoyancy matters none in skimboarding - its an hydrostatic surface
• length helps overcome low power situations
• width provides planing SA
• flat bottom, hard edged smooth surface
• a vee tail into the planing area
• curve on face is determined by th swell