

Drainage Basin - infiltrate & flow

Results in – drainage basin to river watershed

Open System

Divide - boundaries that determine of river flow

11, 12, & 13-2

Interfluves = between rivers

Dambos - tropical, seasonal wet, linear grass covered, shallow

Chemical Network - Main trunk & tributaries

Playfair's Law

Bifurcation

Stream ordering

1st Order- No tributary

2nd Order- Junction of 2 1st order

3rd Order- Junction of 2 second order

4th Order- Is main trunk – Branching like a tree

Random & organization of networks predict & describe but don't explain computer simulations

Strata

NE – glacial till – volcanic & metamorphic rock basement

Joints - tors massive joints of blocks

Faults, normal, reverse, transform, block

Melange (mess)

Outcrop evidence (exposed rock)

Folded sedimentary rock - very thin few m to 10km

Structural benches & cap rock (oil traps)

Mesa & Butte (diameter less than height)

Cuesta – Steep scarp, gentle deep slope

Hogback - symmetrical

Topographic inversions

Alloctochthanous terrains – Formed elsewhere & transported

Domes & Basins –

Inland Facing Cuestas – downs chalk cliffs or Dover

Thrust fault folds – maps

River Drainage Patterns

Insequent – small valley or gully cut

Consquent- follows land

Dendrite

Parallel

Trellis

Rectangular

Radial

Multi-basal – Karst or Glacial

Subsequent – Develop independently of congruent drainage

All except – dendrite, parallel or radial

Antecedent – Maintain valley through mts.

Superposed – Glacier changes river flow direction