AICE Geography - Unit 1 Vocabulary

Hydrology and Fluvial Geomorphology

1.1 Drainage basin system

1. Hydrological cycle
2. Open system
3. Closed system
4. Hydrology components (flows, stores, inputs, outputs)
5. Watershed
6. Catchment area
7. Precipitation
8. Interception
9. Throughfall
10. Stemflow
11. Runoff/overland flow
12. Discharge
13. Infiltration
14. Throughflow
15. Percolation
16. Baseflow
17. Groundwater
18. Recharge
19. Water tables
20. Springs
21. Evaporation
22. Evapotranspiration
23. Gauging station
24. Saturated overflow
25. Hortonian or infiltration excess flow

1.2 Rainfall – discharge relationships within drainage basins

1. Storm hydrograph
2. Lag time
3. Rising limb
4. Falling limb
5. Peak
6. Baseflow separation line
7. Flashy hydrograph
8. Attenuated peak
9. Land use
10. Rainfall duration and intensity
11. Drainage density
12. Porosity
13. Permeability
14. Aquifer
15. Wilting point
16. Field capacity

1.3 River Channel Processes and Landforms

1. Gradient of channel bed
2. Load – capacity and competence
3. Discharge
4. Velocity
5. Channel efficiency
6. Channel roughness
7. Capacity
8. Competence flows – laminar, turbulent, helicoidal
9. Abrasion/corrosion
10. Corrosion/solution
11. Hydraulic action as erosion and transportation
12. Traction
13. Suspension
14. Saltation
15. Entrainment
16. Critical erosion and deposition velocity
17. Bed load
18. Solute load
19. Floodplain
20. Braided channel
21. Eyot
22. Meander
23. Pool
24. Riffle
25. River cliff
26. Slip-off slope
27. Point bar
28. Waterfall
29. Plunge pool
30. Rapids
31. Gorge
32. Bluff
33. Floodplain
34. Levee
35. Cut-off/ox-bow lake
36. Alluvial fan
37. Delta

1.4 The Human Impact

1. Bankfull discharge
2. Overbankfull discharge
3. Recurrence interval
4. Hard engineering
5. Soft engineering
6. Management strategies – wing dykes, levees, etc.