

# IB DP Geography – Option A Freshwater – Revision Clock



1 The drainage basin as an open system with inputs, outputs & flows

2 - River processes of erosion, transportation and deposition

3 - The formation of typical river land forms, including waterfalls, floodplains, meanders, levees and deltas

4. Hydrograph characteristics and natural influences on hydrographs, including geology and seasonality

5 How urbanization, deforestation and channel modifications affect flood risk within a drainage basin

6 Flood mitigation, including structural measures and planning. *Two contrasting detailed examples of flood mitigation of drainage basins*

7 Physical and economic water scarcity

8 Environmental consequences of agricultural activities & Growing human pressures on lakes and aquifers

9. The importance of strengthening participation of local communities to improve water management

10. - Case study of contemporary dam building expansion in one major drainage basin

11. Case study of one recent IDBM plan

12. Case study of the future possibilities for one wetland area