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Aquatic Environmental Science 13. Fate and Transport of Pollutants

1. What is pollutant?
 - Major Pollutions in Japan and world
 - Conventional pollutants
 - Emerging pollutants
 2. Major processes of fate and transport of pollutants
 - Source
 - Transport & Diffusion
 - Speciation & Distribution
 - Stability
 - Bioaccumulation & Bioconcentration
 - How to deal with temporal water quality variation
 - Whole effluent toxicity (WET)
 3. Toward assessment of health and ecological risks (in appendix)
 - Hazard Identification
 - Determination of endpoint
 - Exposure Quantification
 - Dose-Response Analysis
 - Risk characterization
 4. Exercise
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