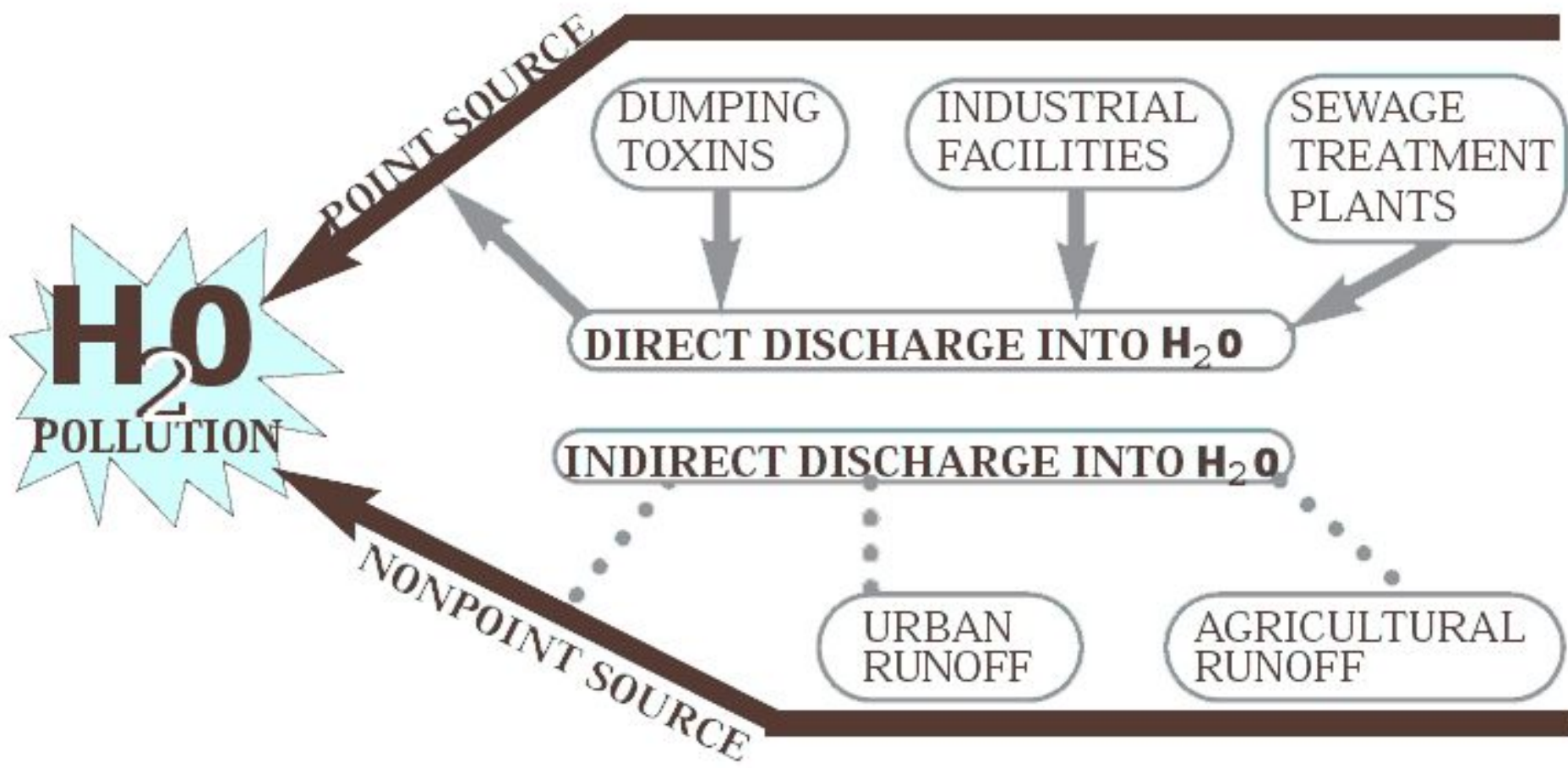


Water Pollution Images



Time

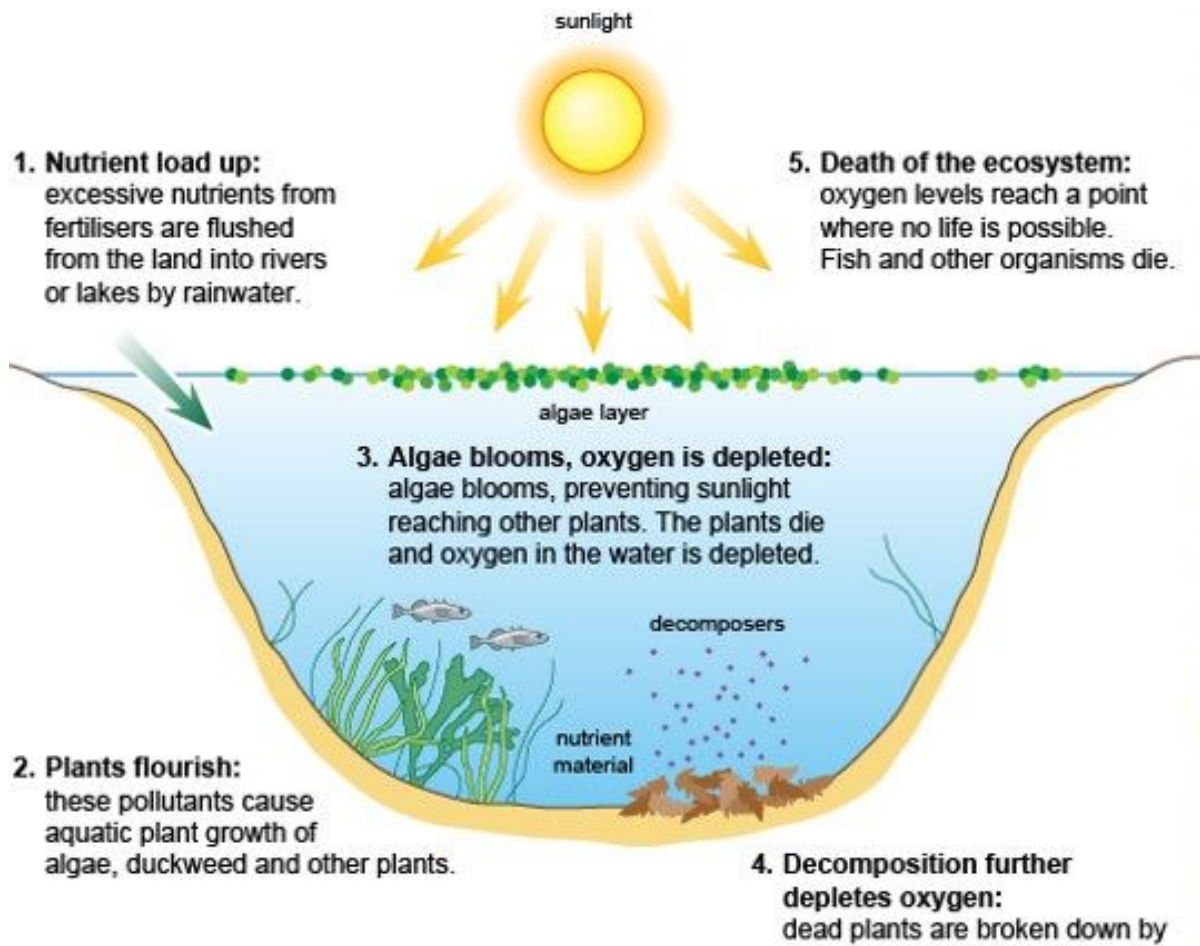
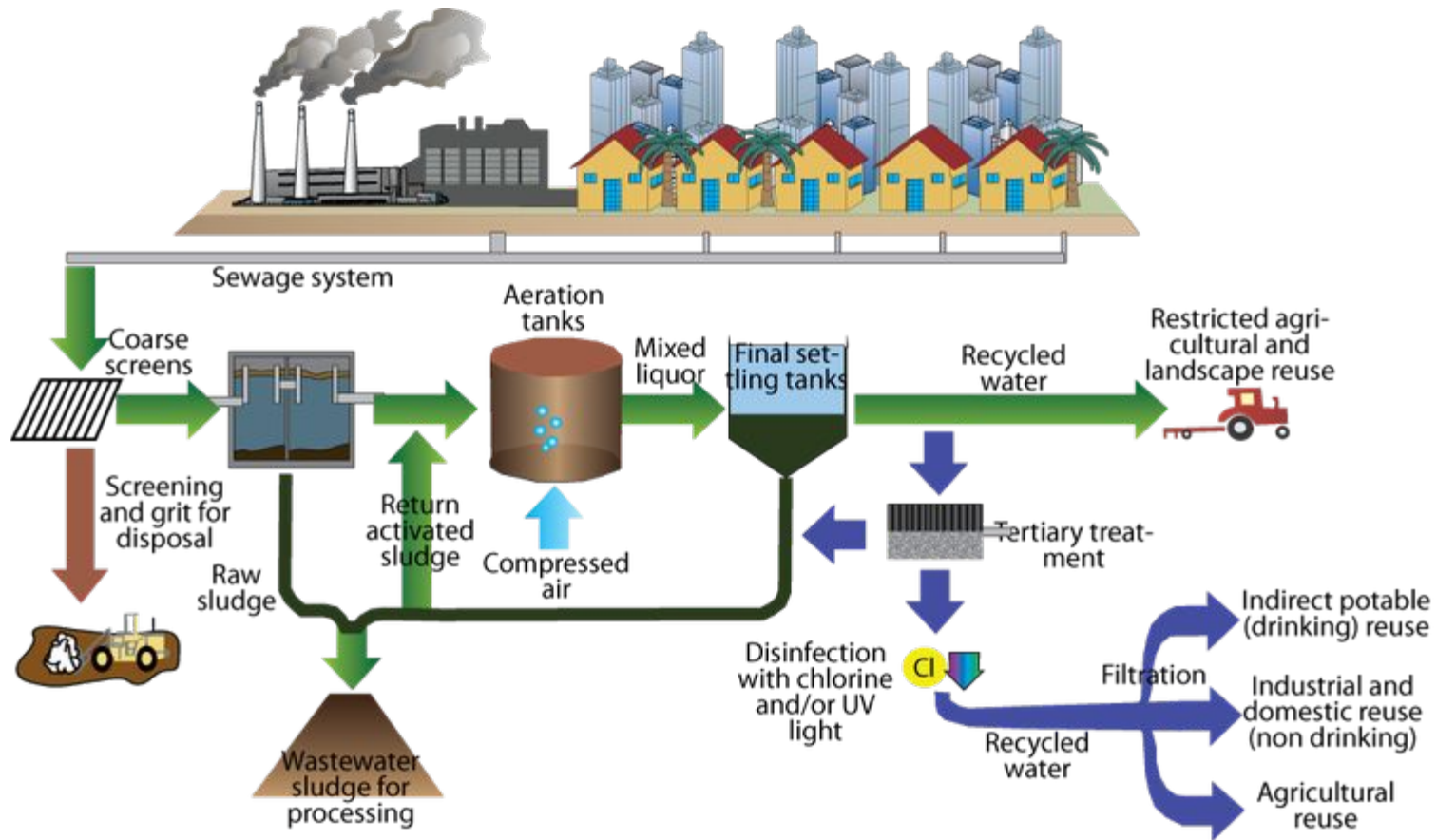


Table 13.2 Major water pollutants, examples and sources

Category	Examples	Sources
1. Affecting health		
Infectious agents	Bacteria, viruses and parasites	Sewage, human and animal excreta
Organic chemicals	Pesticides, plastics, detergents, oil	Agricultural, industrial and domestic wastes
Inorganic chemicals	Acids, caustics, salts, metals	Industrial and domestic effluents
Radioactive materials	Uranium, thorium, radon, etc.	Mining, power plants, natural sources
2. Affecting ecosystem		
Plant nutrients	Nitrates, phosphates, etc	Chemical fertilisers, sewage, manure
Sediments	Silt, soil	Soil erosion
Thermal	Heat	Industries, power plants
Oxygen demanding	Agricultural wastes, manure	Sewage, agricultural runoff



Conceptual diagram illustrating a modern central collection and wastewater treatment plant, which can remove nutrients from wastewater to very low levels (i.e., tertiary treatment) and provide recycled water for agricultural and landscape uses.

Diagram courtesy of the Integration and Application Network (ian.umces.edu), University of Maryland Center for Environmental Science. Source: Kruczynski, W.L. and P.J. Fletcher (eds.). 2012. Tropical Connections: South Florida's marine environment. IAN Press, University of Maryland Center for Environmental Science, Cambridge, Maryland. 492 pp.

