

(1) Microplastics

- 1 - What
- 2 - Extent of pollution
- 3 - The process of microplastic generation
- 4 - Problems associated with microplastics
- 5 - Solutions / Controls

(1) What?

Plastic materials

- polyethylene
- polyxylenes
- mixed polymers
- reinforced polymers

Insoluble
in water

Size

1 μ m — 5 mm

Synthetic solid
pollutants

(2) Extent

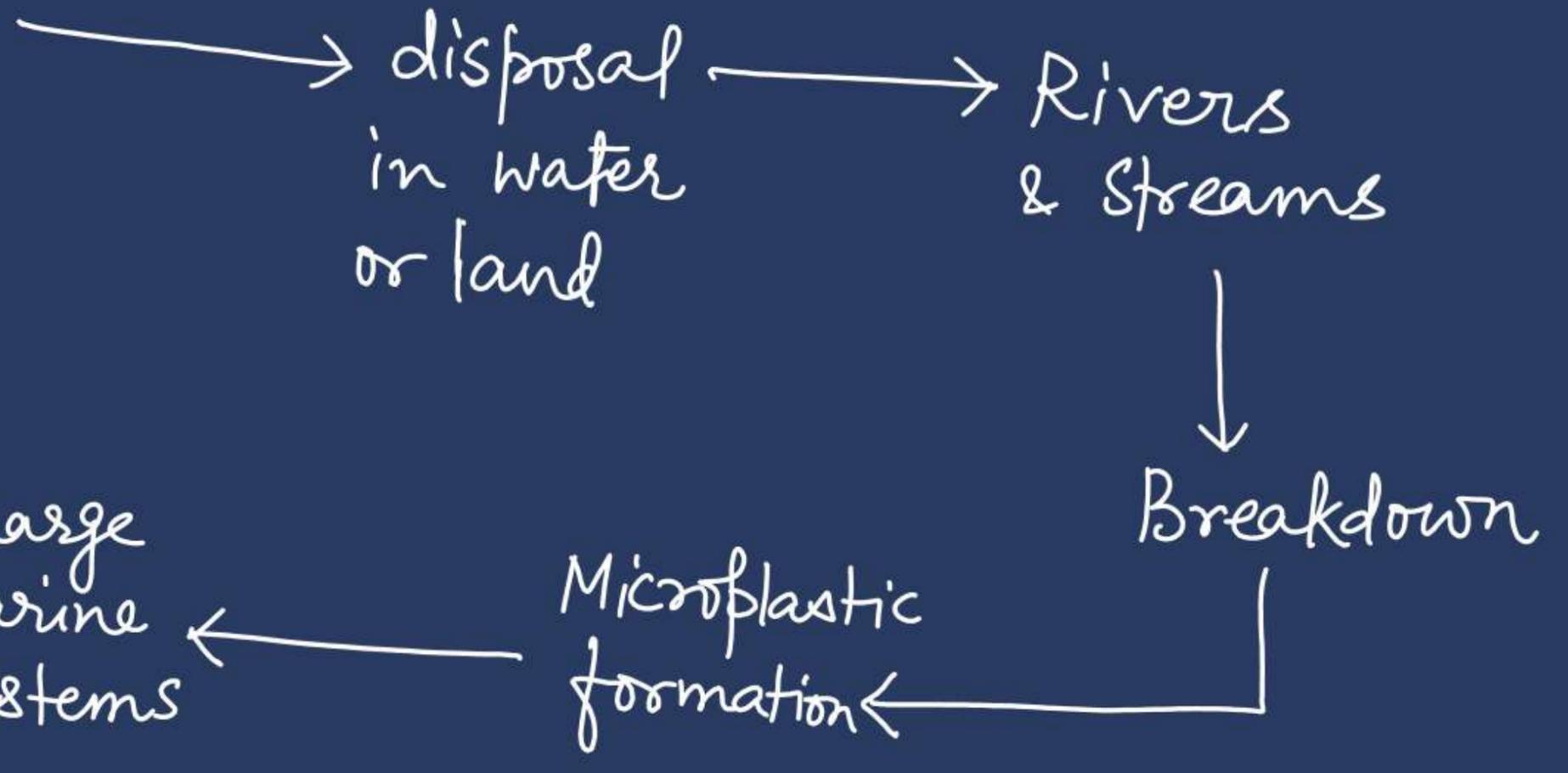
~ 14×10^6 tonnes
of microplastics
in the world's
oceans

↓
a major contributor
to marine pollution

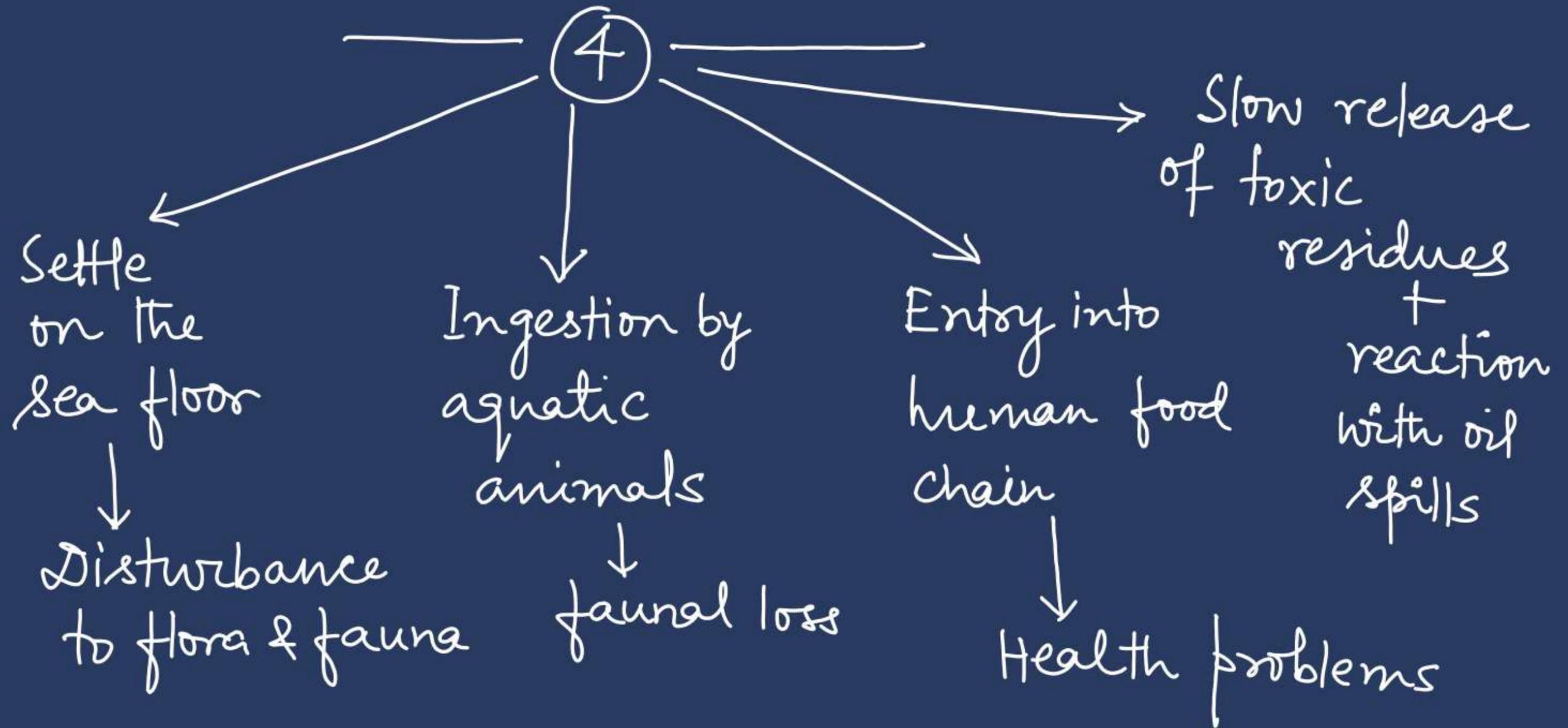
~ 1×10^6 tonnes
of microplastics
in River Ganga
alone (per year)

(2) The process

untreated municipal
wastes, industrial
wastes, medical wastes
& other plastic objects



(4) Problems associated



(5) Control

use of biodegradable plastics

Source Control

Stopping plastic waste disposal

Recycling of plastic wastes

Urban sewage-line cleaning & removal of plastic wastes

River cleaning

(2)

SINGLE USE

PLASTIC

(PDF)