# CHAPTER 18 - CONCEPT MAP:WASTEWATER STORY

**SEWAGES**
(Wastewater carried away from sewers)

**Sewerage**
underground network of interconnected Pipes that carry sewage to sewage treatment plant

**1 Sources**
Domestic sewage, commercial sewage, industrial sewage, rainwater

alternative arrangement for sewage disposal
Septic tanks,biogas plants,vermi-composting toilets

**2 Harmful effects**
- Spread diseases (e.g. Cholera, typhoid)
- Cause water pollution
- Cause eutrophication (the process of depletion of dissolved oxygen from water bodies due to excessive growth of algae)

**3 Wastewater treatment plant**
Stages

**Primary**
Steps
- Screening
- Grit and sand removal
- Primary sedimentation

**Secondary**
Steps
- Aeration
- Secondary sedimentation

**Tertiary**
Disinfecting water with chemical like chlorine and ozone