

How the Netherlands is investing in water management ?

What is the problem?

- 26% of Netherlands are below sea level
- According to a study in 2017, the sea could rise between 1m and 1.5m by 2100
- 70% of Dutch people are at risk of flooding
- Every year, 60% of the country is threatened by chronic flooding

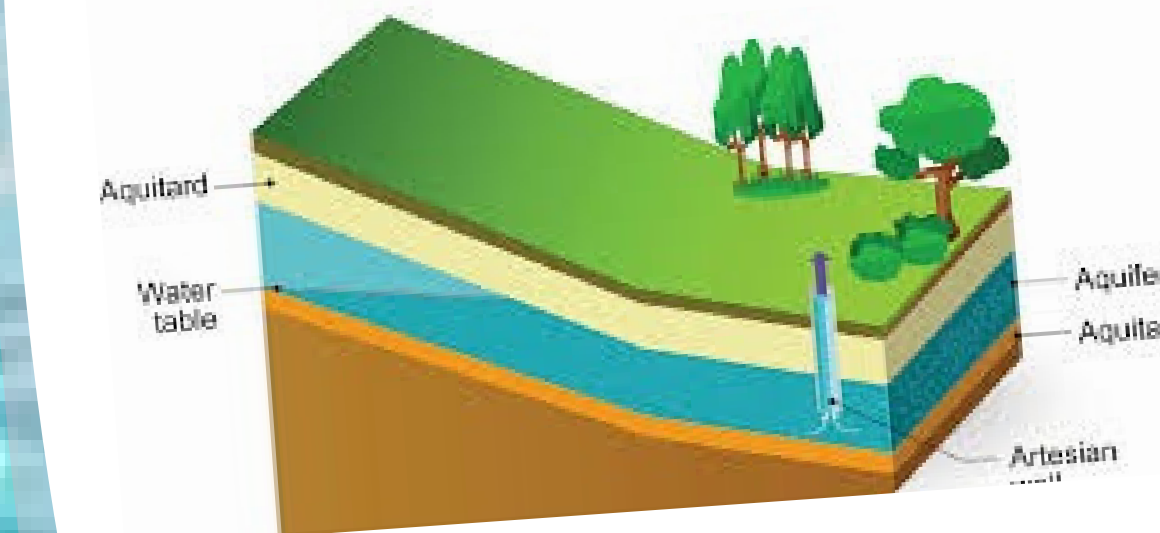


flooding

However in the province of the Zeland, fresh water is scarce, which leads to agricultural losses



Groundwater



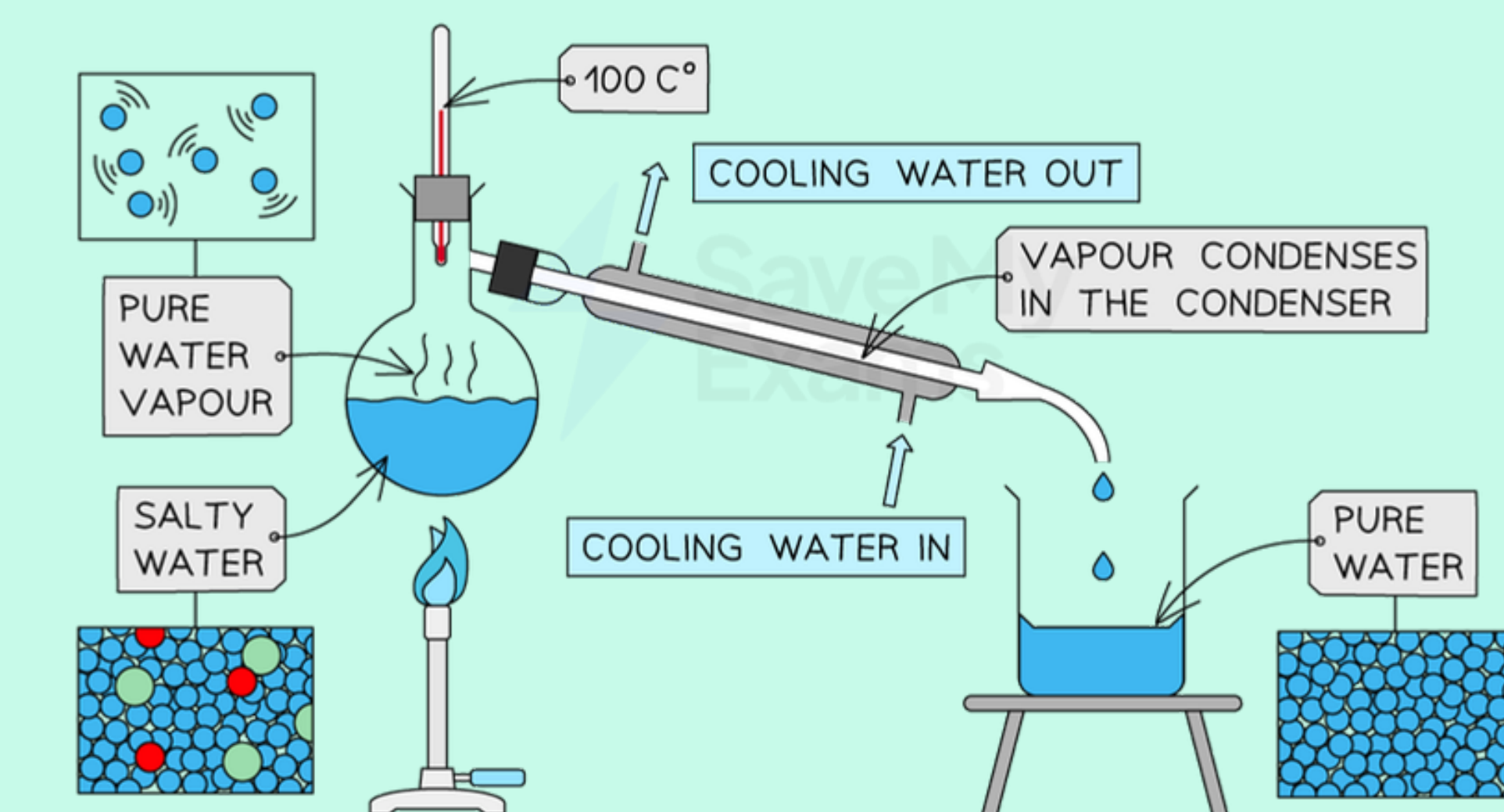
What are the causes ?

- Global warming
- Rivers are rising + and +
- Snow is falling as rain
- Rainfall frequency has increased by 25% since 1910

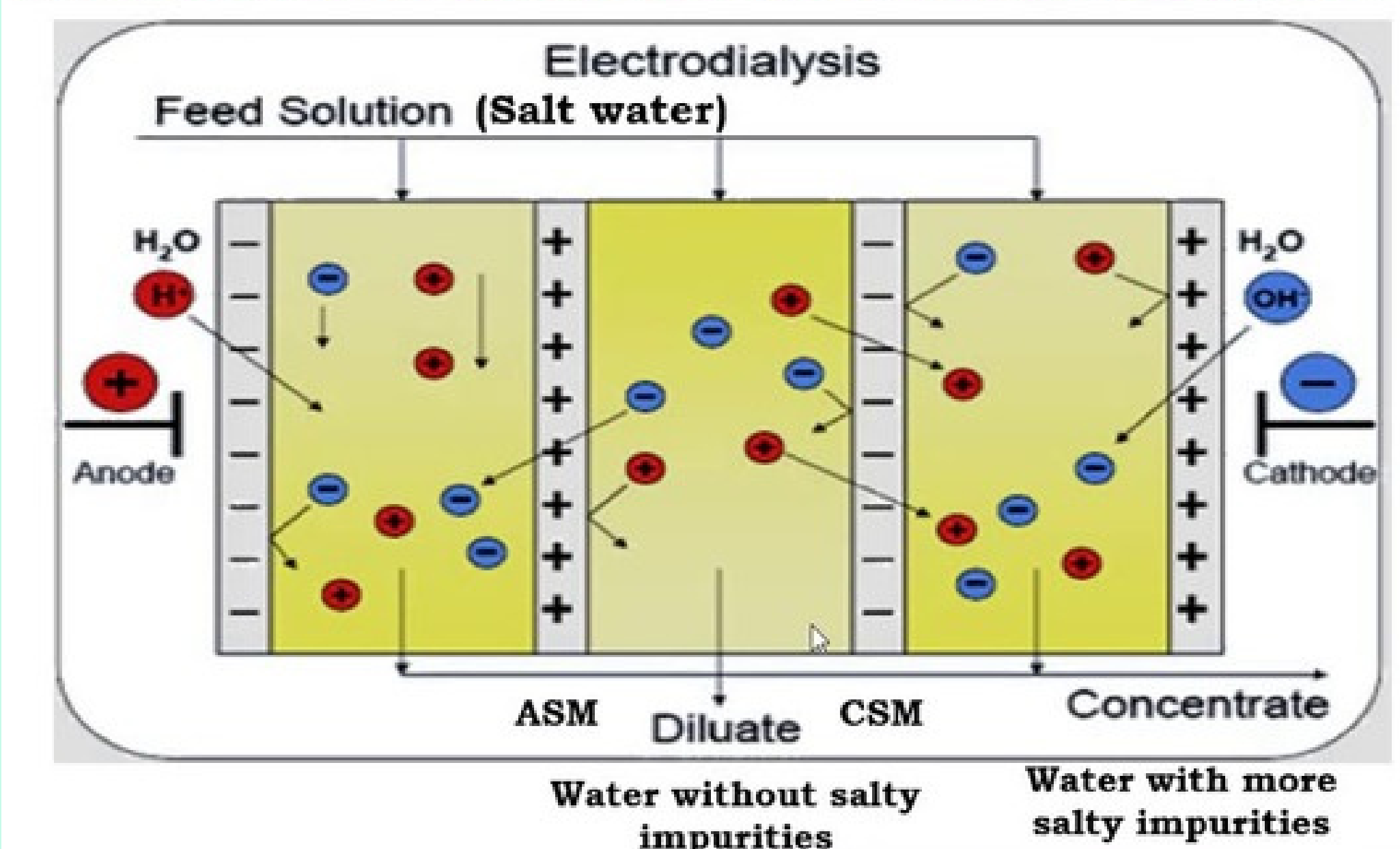


For desalination:

KEY:
● = WATER MOLECULE
● = SALT IONS



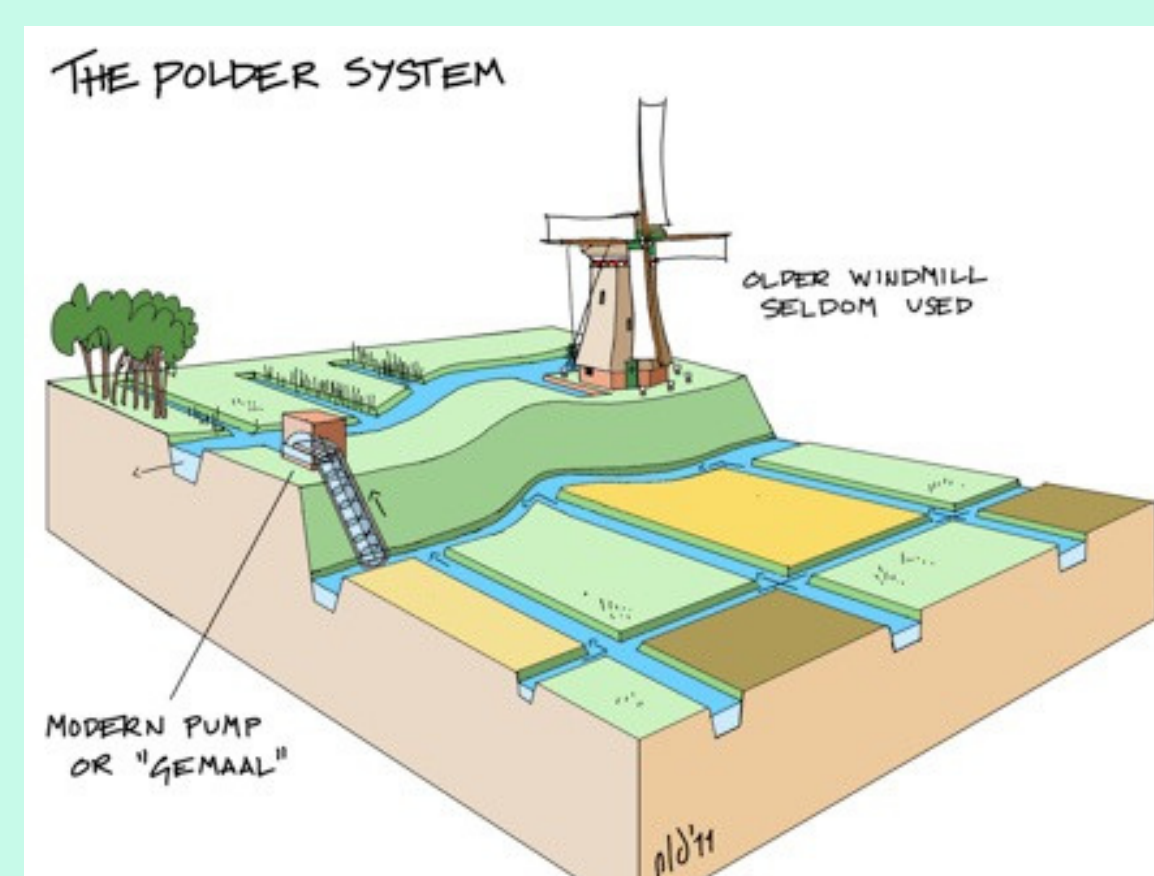
Purification of Water by Electrodialysis process:



What are the solutions ?

Already in place:

- construction of polders
- dykes
- locks
- dams
- sand dunes



In the futur:

- public spaces capable of withstanding minor flooding
- construct floating buildings
- plant vegetation on walls
- roofs in parks and gardens

Rotterdam:

