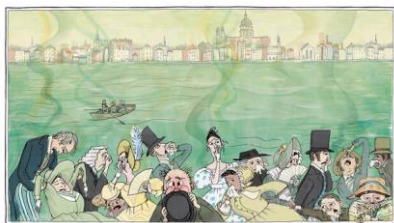




Do we need clean water?

History of The Sewage System

Why was a sewage system needed?



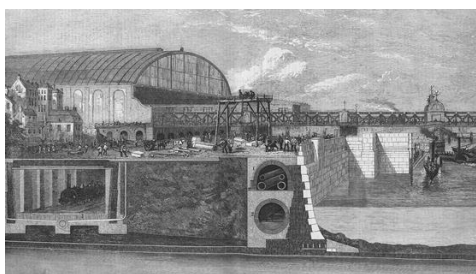
1858 **The Great Stink** refers to a very polluted and smelly London.

The hot weather exposed the rotting human **effluent** (wee and poo) polluting the water of the River Thames in London.

**Cholera** a water-borne disease swept through the population.

It was believed that the smell itself, or "**Miasma**", spread cholera through the city, and those who could afford to, fled the stinking city.

The first sewage system.



1858 Work begins on a new super sewer system.

By 1868 the sewer is nearly finished with 82 miles of pipes carrying foul water out of London.

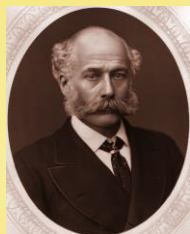


**Crossness Pumping Station** (now a museum) this steam powered pump carried sewage to the mouth of the Thames.

**Treatment works** capture, store, transport, treat and dispose of / reuse human and water waste.

Sir Joseph Bazalgette a significant historical figure

Sir Joseph Bazalgette



born 1819

He was a civil Engineer who built the first sewer system.



died 1891

Sanitation over time



First Flushing Toilet 1596



Siphonic Toilet 1819



Outdoor Privy Before 1850

What does the future hold?



Eco-friendly zero waste toilet.

Did you know, the average human being produces 600l of urine and 160kg of faeces each year!



THINK IT.

Vocabulary Tier 2

- pipes
- drain
- stench
- System
- siphon



BELIEVE IT.

Vocabulary Tier 3

- faeces
- sewer
- Sanitation
- Cholera
- Miasma
- effluent



LIVE IT.