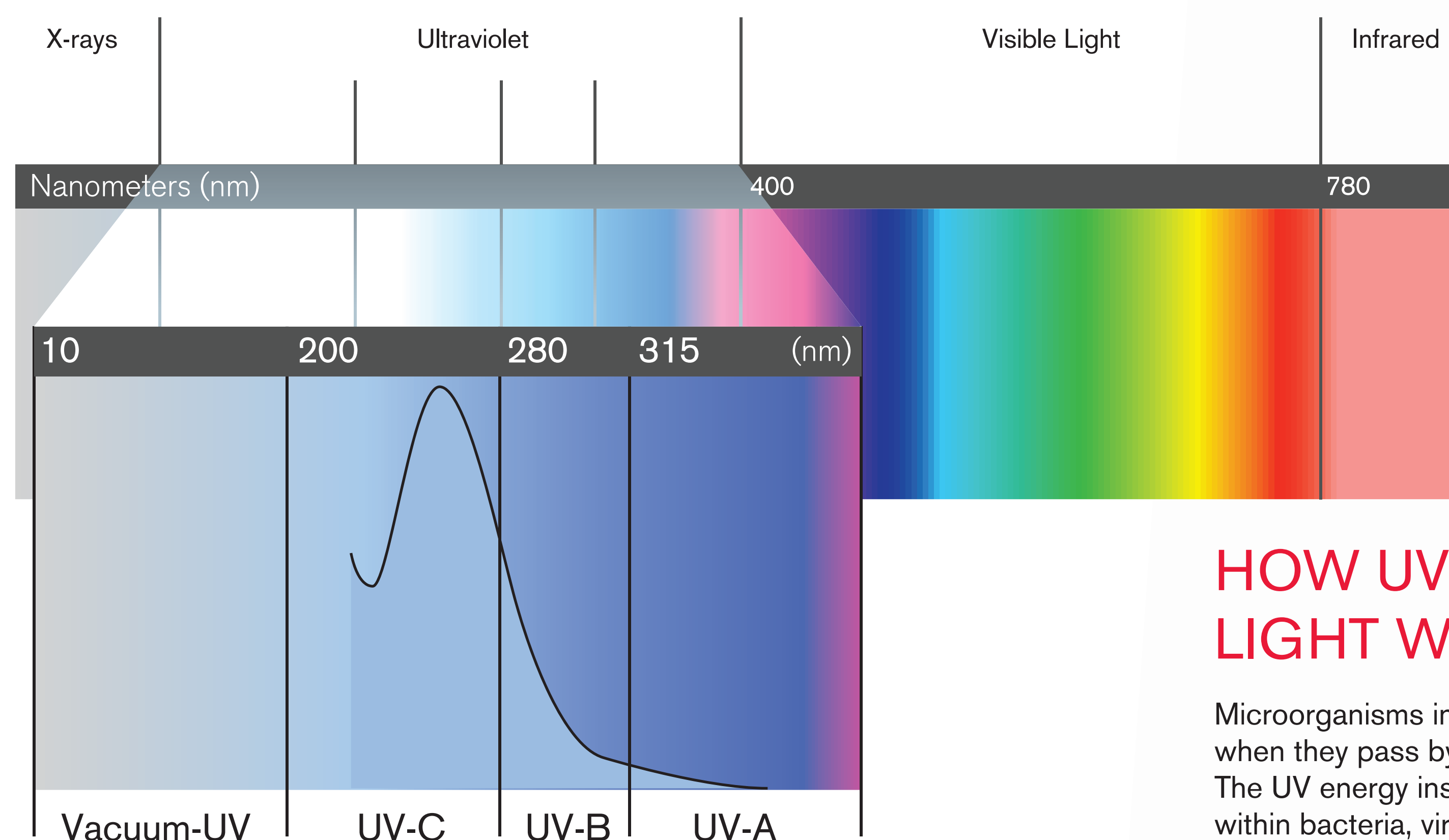
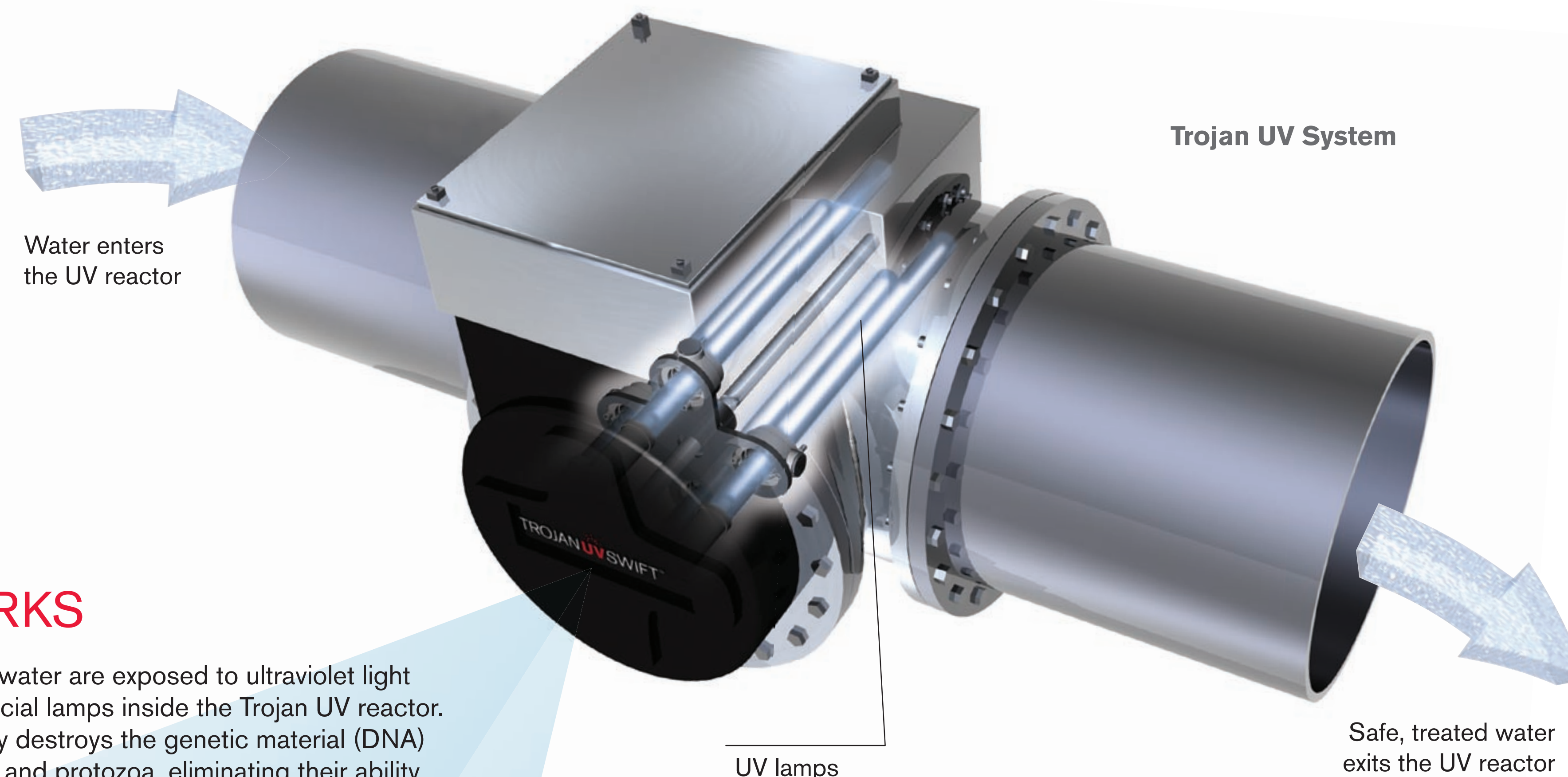


## WHAT IS ULTRAVIOLET (UV) LIGHT?

Ultraviolet (UV) light is a form of light that is invisible to the human eye. Specific wavelengths, between 200 and 300 nanometers (or billionths of a meter), are categorized as germicidal – meaning they eliminate bacteria and viruses. UV light is an environmentally-friendly, chemical-free, highly-effective way to safeguard water against harmful microorganisms.

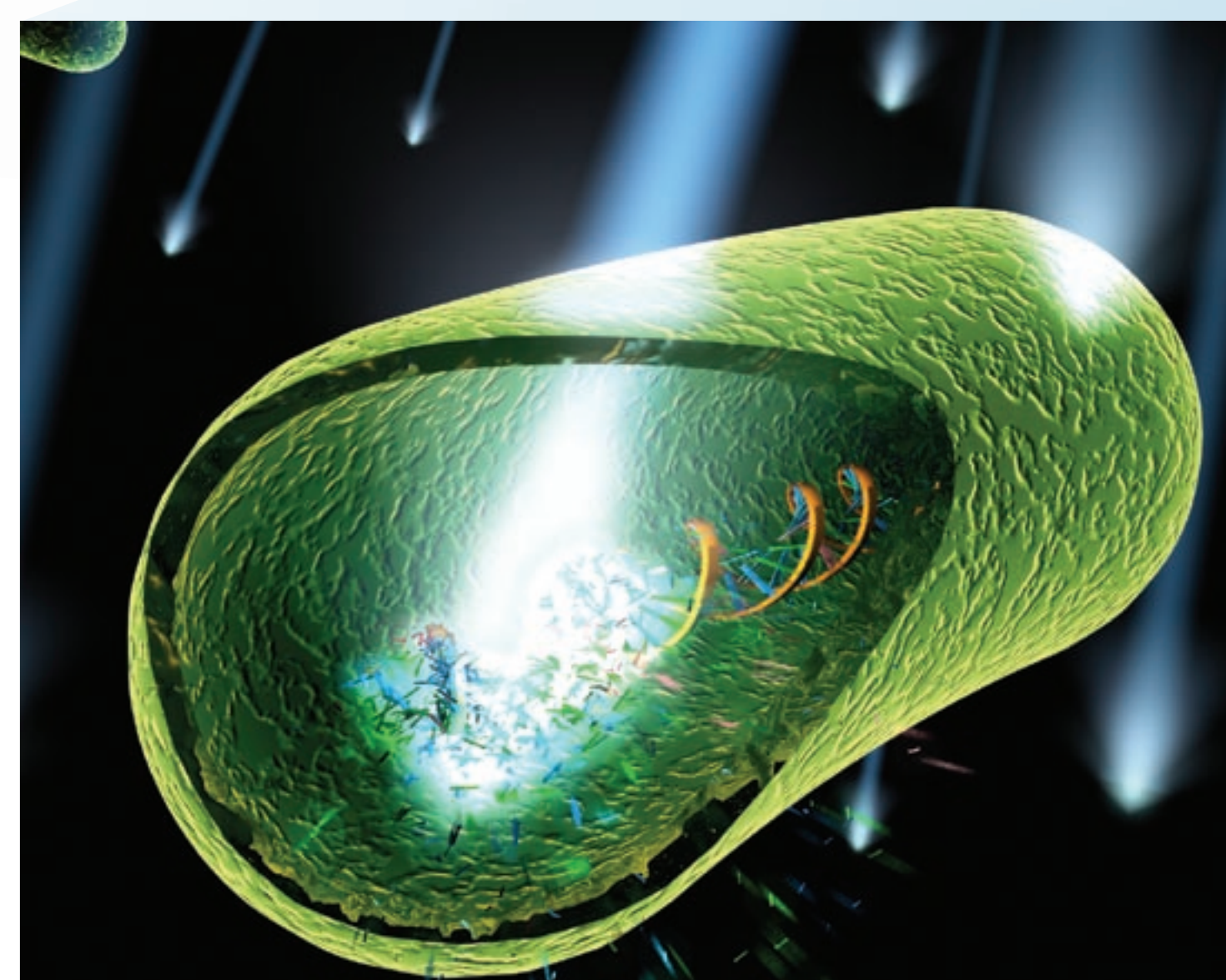


## HOW YOUR DRINKING WATER IS TREATED WITH UV



## HOW UV LIGHT WORKS

Microorganisms in the water are exposed to ultraviolet light when they pass by special lamps inside the Trojan UV reactor. The UV energy instantly destroys the genetic material (DNA) within bacteria, viruses and protozoa, eliminating their ability to reproduce and cause infection. Unable to multiply, the microorganisms die and no longer pose a health risk.



## TROJAN FACTS

- Trojan has over 5,800 municipal UV systems worldwide – the largest installed base on the planet.
- Every day, more than 26 billion gallons of water are treated by Trojan's UV systems.
- Trojan has pioneered some of the most important breakthroughs in the application of UV light for water treatment – including automatic dual-action sleeve cleaning

## WATER FACTS

- The water we use today is the same water the dinosaurs used.
- Only 1% of the world's water is fresh water, and only 1% of the world's fresh water is drinkable.
- 10% of the world's fresh water is in Canada.
- Per capita, North Americans use 4 times more water than Europeans.
- The average home uses 107,000 gallons of water per year.