

Because of water shortages and water pollution across the country, we experience municipal, industrial, and agricultural water rationing

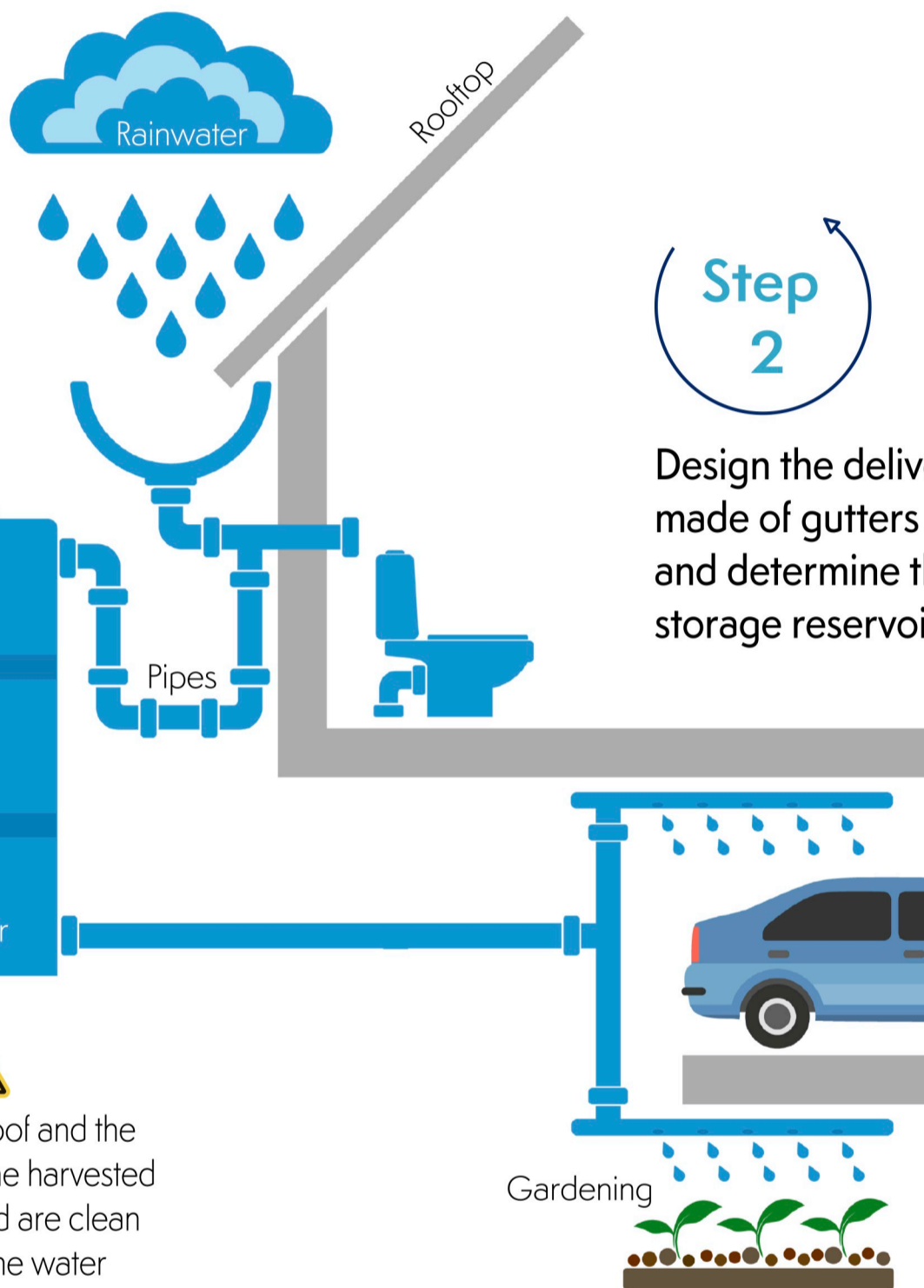
Can we make use of alternative water sources that can help us cover a substantial portion of our water needs?

The answer is in Rainwater Harvesting

Steps to designing a rainwater harvesting system

Step 1

Calculate rainwater available by considering the amount of rain and the surface of the rooftop (losses through evaporation can occur)



Step 2

Design the delivery system made of gutters and pipes, and determine the size of the storage reservoir

At the household level, the system

Can be fitted to an existing structure or built during new home construction

Uses simple technologies that suit different low-cost budgets

Is easy to maintain

Requires minimum expertise or knowledge



Rainwater harvesting is beneficial because it is a free source of water, is relatively clean for irrigation or gardening, and it reduces reliance on ground and surface waters

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