



engineers without borders
ingénieurs sans frontières



UNITED STATES

General

Area:	9,629,091 km ²	Population:	290,342,554
		Urban:	77.2%
		Rural:	22.8%
Main Language:	English	Growth Rate:	0.92% per year

Water Resources

Rainfall:	940 mm	Total water use	
Total water withdrawals:	1870 m ³ /cap/year	Domestic:	13%
		Industrial:	45%
		Agricultural:	42%

Health

Life expectancy:	77.1 years
Infant mortality rate:	7 infant deaths/1000 live births

Literacy

Adult literacy:	>99% of population age 15 and above
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Economy

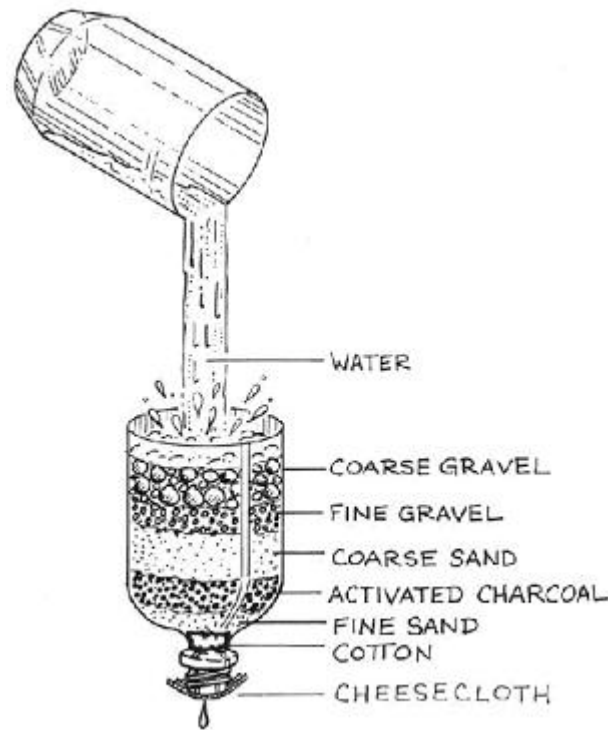
GDP per capita (PPP US\$)	\$31,872
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Overseas Development Assistance (Aid)

% of GDP	0.11%
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Instructions

1. Loosely put a cotton plug in the neck of the cut bottle, then cover the neck of the bottle with a piece of cheese cloth secured with a rubber band.
2. Pour a 1-cm layer of fine sand over the cotton plug, followed by activated charcoal, 1-cm of coarse sand, fine gravel, and coarse gravel.
3. Clean the filter by slowly and carefully pouring through 1-litre of clean water (over a bucket).
4. Place the filter over a plastic cup. Now, test your water filter by pouring half of the dirty water through the filter.



Cost of Materials

Activated Charcoal	\$50/cup	Rubber Band	\$5 each
Cheesecloth	\$5/square	Sand, Coarse	\$20/cup
Cotton	\$5/ball	Sand, Fine	\$20/cup
Gravel, Coarse	\$10/cup	Water, Clean	\$10/litre
Gravel, Fine	\$10/cup		