



engineers without borders
ingénieurs sans frontières

CAMEROON



General

Area:	475,000 km ²	Population:	15,085,000
		Urban:	49%
		Rural:	51%
Main Language:	French, English	Growth Rate:	2.7% per year

Water Resources

Rainfall:	3,000 mm	Total water use	
Total water withdrawals:	30 m ³ /cap/year	Domestic:	46%
		Industrial:	19%
		Agricultural:	35%

Health

Life expectancy:	54.7 years
Infant mortality rate:	74 infant deaths/1000 live births
Child mortality rate:	114 child deaths/1000 live births

Literacy

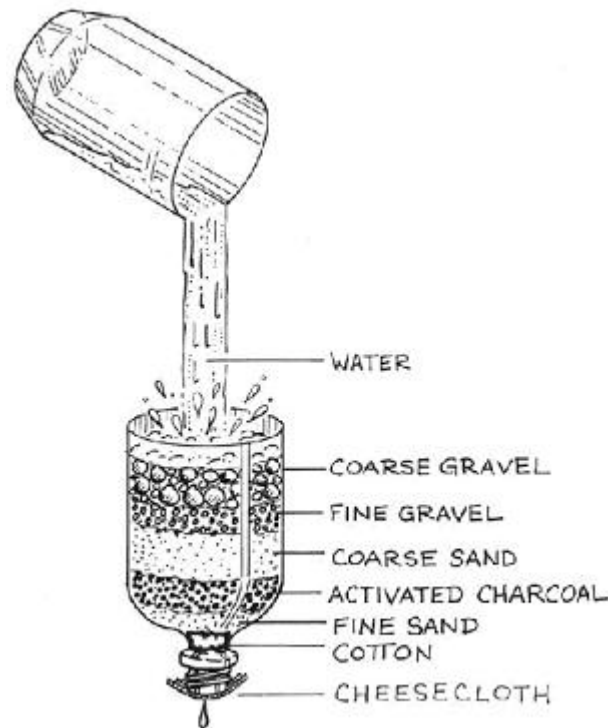
Adult literacy:	74.8% of population age 15 and above
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Economy

GDP per capita (PPP US\$)	\$1,573
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Instructions

1. Loosely put a rubber band plug in the neck of the cut plastic bottle, then secure the neck of the bottle with a rubber band of cheese cloth secured with a rubber band.
2. Add a 1-cm layer of fine sand over the cotton plug, followed by charcoal, 1-cm of coarse sand, fine gravel, coarse sand, and fine gravel.
3. Use the filter by carefully pouring clean water from a bucket.
4. Place the filter over a plastic cup. Now, use your water filter by pouring some 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		