



engineers without borders  
ingénieurs sans frontières



# CANADA

## General

Area:	9,976,140 km <sup>2</sup>	Population:	32,207,000
		Urban:	79%
		Rural:	21%
Main Language:	English, French	Growth Rate:	0.94% per year

## Water Resources

Rainfall:	From 250 mm in Yellowknife, NWT to 2415 mm in Prince Rupert, BC	Total water use	
Total water withdrawals:	1601 m <sup>3</sup> /cap/year	Domestic:	18%
		Industrial:	76%
		Agricultural:	12%

## Health

Life expectancy:	79.8 years
Infant mortality rate:	5 infant deaths/1000 live births

## Literacy

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

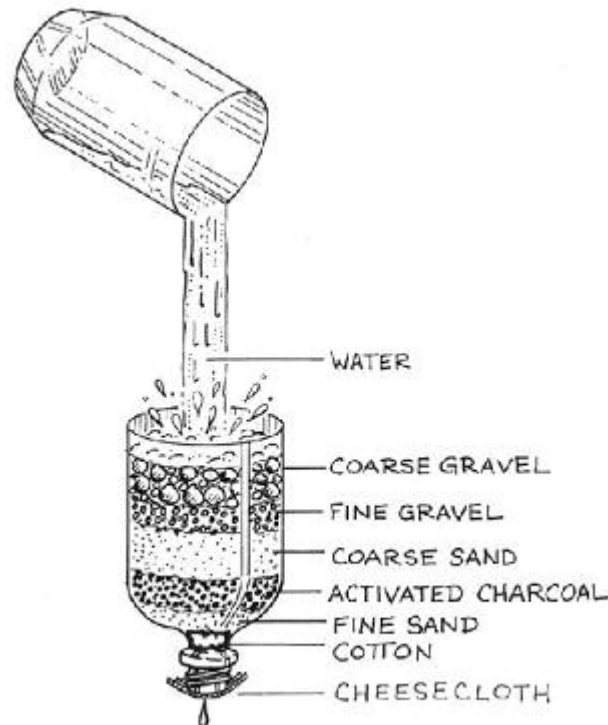
GDP per capita (PPP US\$)	\$26,251
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## Overseas Development Assistance (Aid)

% of GDP	0.28%
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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		