

Berkey Water filter



Berkey Water

Purification Elements

Gravity Filter Elements

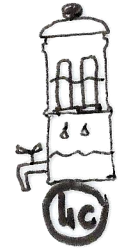
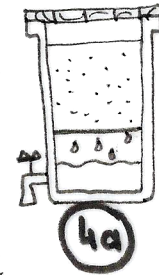
removes viruses, bacteria etc.
chemicals
reduces nitrates, heavy metals etc.

Berkey PF-2 Fluoride &
Arsenic Reduction Elements
(optional)

Filters-out fluoride, arsenic,
pesticides etc.

FRISCHWASSER

FRESH WATER ~ EAU POTABLE



NEEDS

DRINKING WATER

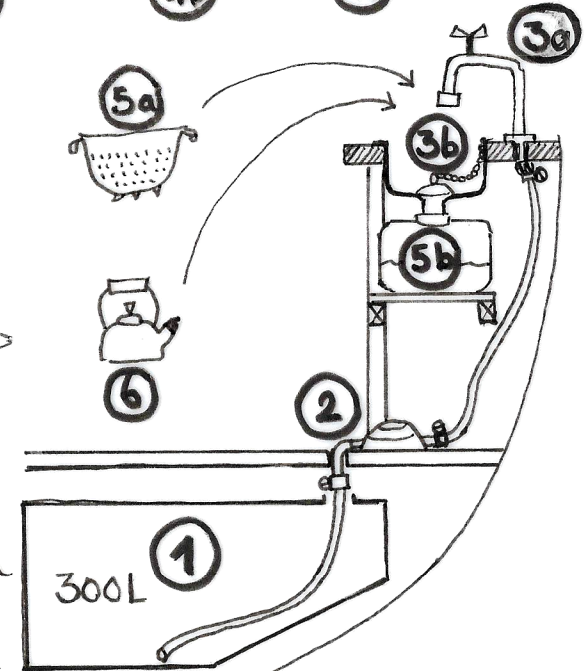
8 people, 2.5L/day/person

→ 150L/week

RINSING/COOKING WATER

20L/day

→ 150L/week



① WATER TANK 300L
Wassertank / réservoir d'eau

② DIY-FOOT PUMP
Fußpumpe / pompe à pied

③ RE-USE TAP & SINK
Wasserhahn u. Waschbecken
/ robinet & évier

④ GRAVITATION WATER FILTER
Gravitationswasserfilter
Filtre à eau gravitationnel

⑤ RINSING WATER
Spülwasser (Obst & Gemüse)
eau de rinçage

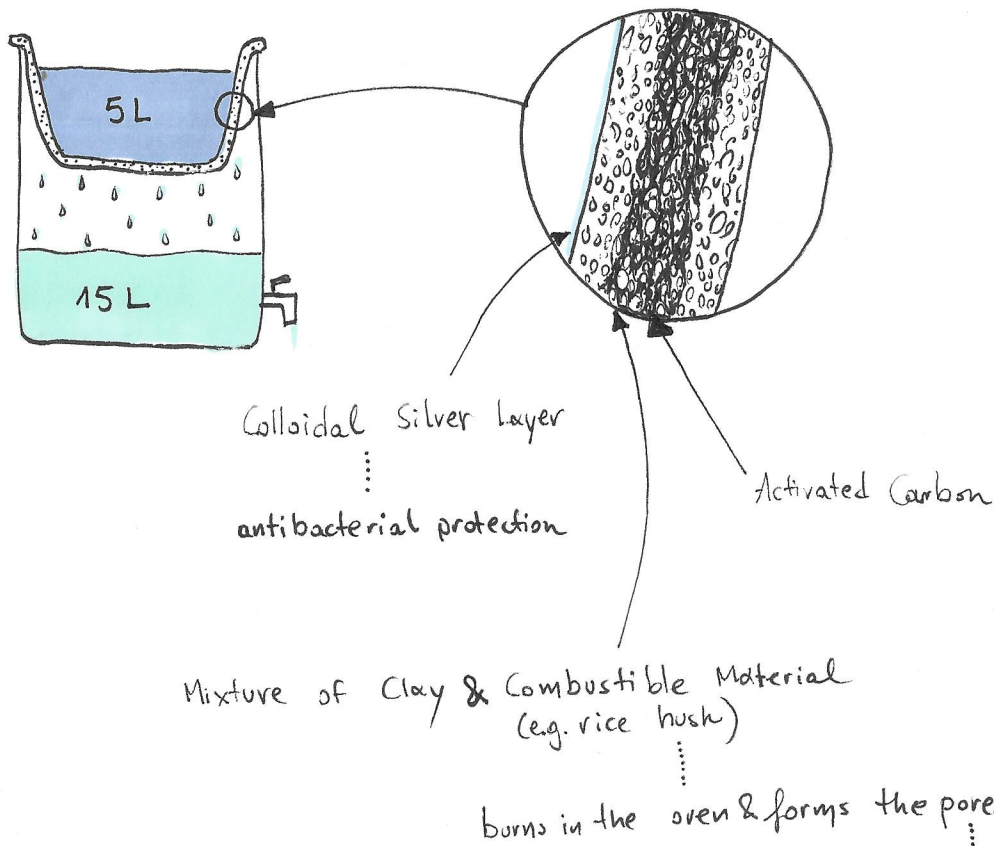
⑥ COOKING WATER
Kochwasser / eau de cuisson

- Maintenance: rarely, depending on grade of contamination
- Lifetime: - Purification Elements exchange after ~22.000 litres of water filtered or after 3-4 years
- PF-2 Elements exchange after ~3000 litres of water purified or after 1 year.

(+) Compact, fast & efficient filtering, long lasting

(-) Expensive, cannot be DIY, not a low-tech solution (?)

Ceramic Pot



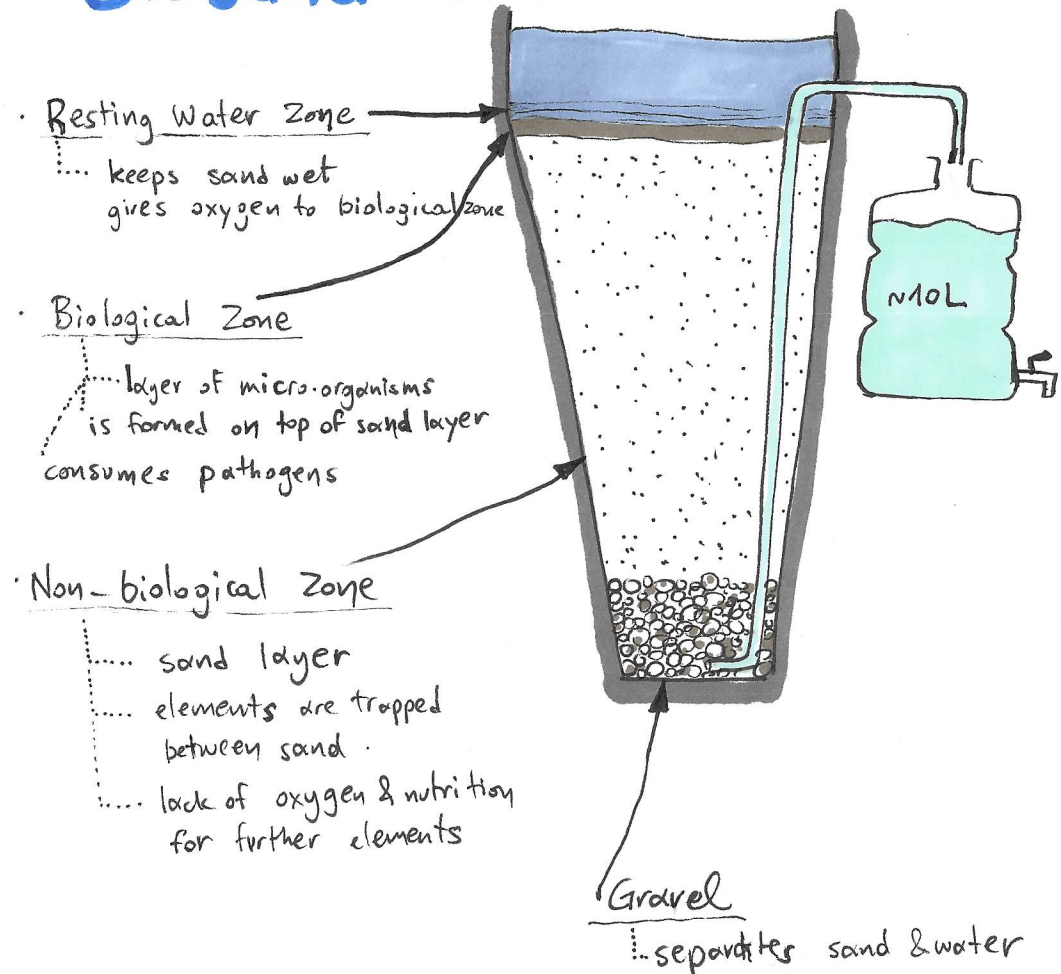
water filtration = slow water movement through the pores

- Maintenance: cleaning of pot every 6 months
- Lifetime: exchange of pot every 2 years

(+) :- simple & sustainable

(-) :- not easy to DIY → has to be imported
- slow filtration process

Biosand Filter



- Maintenance: rarely
↳ sometimes upper layer of sand needs to be removed
- Lifetime: ?

(+) DIY construction possible

(-) Needs one month of filtration to be fully efficient
Heavy & big