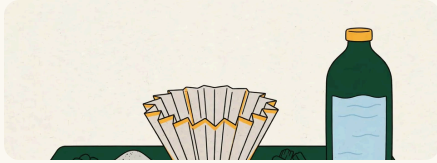




The two-liter bottle filter.

A clarity filter from things already in the house, and the one step people skip.

1 What you need



- A clean two-liter bottle and a knife
- Coffee filter or clean cloth
- Gravel, coarse sand, fine sand, charcoal

2 Cut the bottle



- Take the bottom third off
- Keep the cap, poke a few small holes in it
- The neck end is the outlet, pointing down

3 Cloth first, at the neck



- Push the filter or cloth into the neck
- This stops the layers washing out
- Pack it snug, not tight

4 Charcoal layer



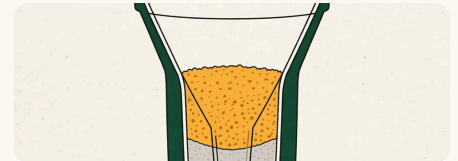
- Crushed charcoal from a cold fire, or activated charcoal
- Rinse it first until the water runs clear
- Two to three inches deep

5 Fine sand



- Two to three inches on top of the charcoal
- Catches fine sediment
- Rinse it before it goes in

6 Coarse sand



- Another two to three inches
- Catches the mid-size grit
- Keeps the fine sand from clogging

7 Gravel on top



- The last inch or two, biggest pieces
- Breaks the pour so the layers stay put
- Clean gravel, not garden dirt

8 Pour slow



- Trickle the water in, do not dump it
- The first batch comes out dark, discard it
- Keep going until it runs clear

9 Collect it clean



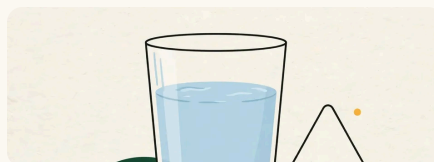
- A clean jar under the neck
- Cover it while you wait
- Expect it to take a while

10 Now make it safe



- Boil one minute at a rolling boil
- Or 8 drops of unscented 6% bleach per gallon, wait 30 minutes
- This step is not optional

11 What it will never do



- It does not remove germs
- It does not remove chemicals or salt
- Clear water can still make you sick

12 Rebuild it, do not reuse it



- The layers hold what they caught
- A new filter for each day of use
- Keep extra sand and charcoal dry

This clears water. It does not make it safe. Boil it or bleach it after.

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