

THE JOURNEY

BUILD YOUR OWN SAND FACTORY

In **Episode 3**, Tyler visits Clear Cambodia's sand factory where they sift through large rocks and sand to create individual bags of gravel, coarse sand, and fine sand. With a few items already in your kitchen, you can recreate your own sand sifter right at home.

HERE'S WHAT YOU'LL NEED

- Colander (phase 1 sifter)
- Strainer (phase 2 sifter)
- A handful of uncooked pasta (gravel)
- A handful of uncooked rice (coarse sand)
- Two pinches of salt (fine sand)
- 2 small bowls
- 3 small paper bags (sand bags)



1

In a small bowl, mix together pasta, rice, and salt.

This is your gravel, coarse sand, and fine sand mixture.

2

Pour that mixture through the colander and into an empty bowl.

You've just sifted out your gravel.

3

Place the sifted pasta into a paper bag and label it "Gravel."

4

Pour the leftover rice and the salt through the strainer and into an empty bowl.

You've just sifted out your coarse sand.

5

Place the rice into a paper bag and label it "Coarse Sand."

6

Place the leftover salt into a paper bag and label it "Fine Sand."

You've just sifted out your fine sand.



CONGRATULATIONS!

You've successfully sifted through the gravel, coarse sand, and fine sand, just like the sand factory in Cambodia.

WHAT HAPPENS NEXT?

Each household uses bags of gravel, coarse sand, and fine sand to create layers inside their BioSand Filters. These layers filter out the dirt and toxins so the water is safe to drink.

