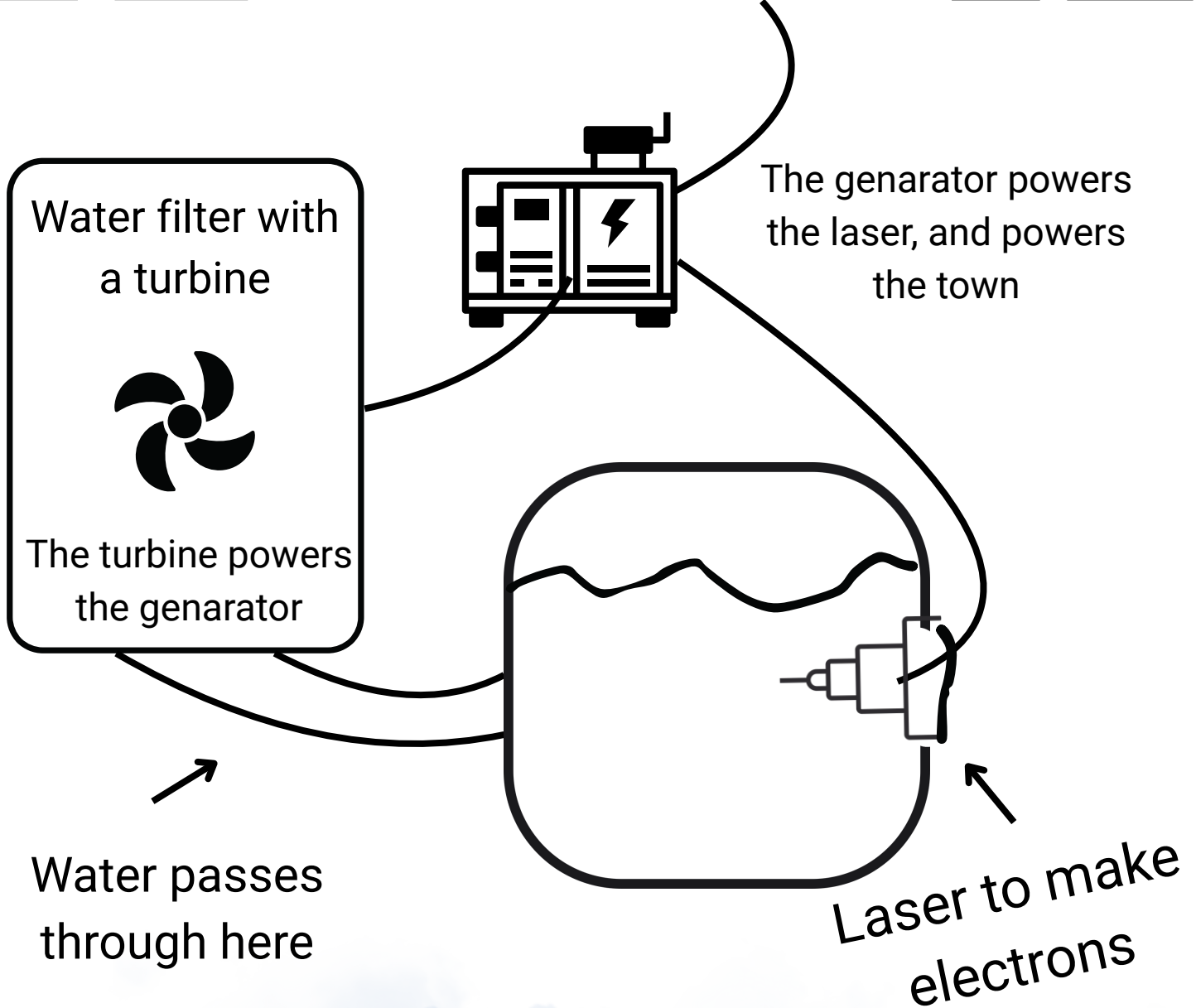


PART 1



PART 2

Power Up Competition Entry What's the Problem?

Every day, huge amounts of water are wasted. Water from sinks, baths and showers usually just flows down the drain. At the same time, we're using lots of electricity from fossil fuels, which damages the planet.

How Do I Solve the Problem?

My idea is to recycle wasted water and turn it into energy.

Here's how it works:

- 1. The used water goes into a filtration system to make it safe.**
- 2. As it flows, it passes through a turbine that powers a generator. The generator splits the electricity 50/50 between the local town and a laser power system.**
- 3. The filtered water then goes into a special chamber, where electrons can be taken out and used as energy.**
- 4. Through a process called electrolysis, the water molecules are split into hydrogen and oxygen using an electric current. This makes even more electrons for energy.**
- 5. The electricity is transferred safely using waterproof wires.**

What Are the Benefits?

- Less waste: Instead of throwing water away, we reuse it.**
- Clean energy: Turning water into electricity reduces the need for coal and gas.**
- Renewable: As long as people use water, this system can keep making power.**
- Community impact: Both households and towns can share the energy created.**

This invention tackles two problems at once — water waste and climate change. By reusing every drop, we can create a powerful renewable energy source that helps the planet and saves resources for the future.