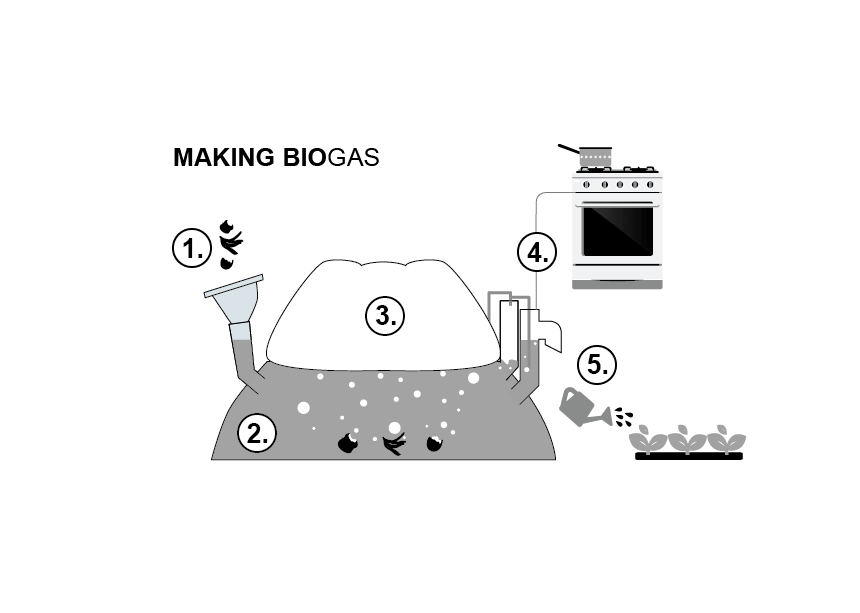
# Case Study 1 A home biogas system

The idea

It is possible to use your own food and garden waste at home to produce biogas that can be safely used to heat your home and cook food. Some companies provide small biogas systems that you can install at home.

## How does it work?

Home biogas systems are small biogas factories that you can set up in your home or garden and attach to the gas supply for your house. This biogas can then be used for cooking or to heat your home. They work in a similar way to other biogas factories and follow the same steps:

1. Put your food and garden waste into the biogas factory, this is your feedstock.
2. Bacteria in the feedstock tank digest the waste and produce biogas.
3. This biogas is stored in a gas tank above the feedstock tank.
4. The gas tank is connected to your home gas pipes and feeds into your supply.
5. Liquid fertiliser is produced as a by-product, and can be used to feed plants   
   in your garden.

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## Facts

Feedstock- food and garden waste

Power- home appliances

Initial Cost- £400-540 for home biogas system

## Find out more

You can find videos and more information on [www.homebiogas.com](http://www.homebiogas.com),   
one of the companies who provide home biogas systems.