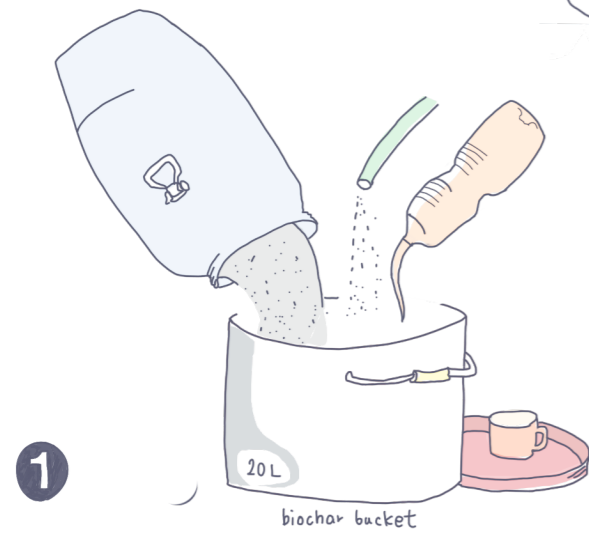
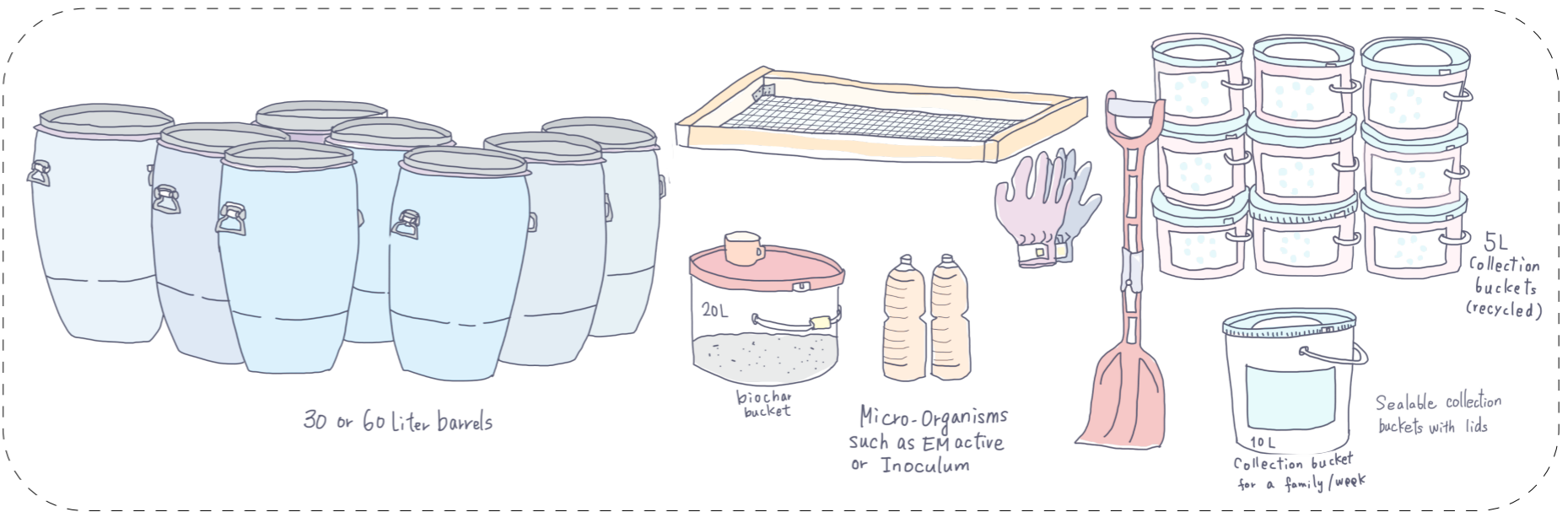


# Kickstart your waste warrior community

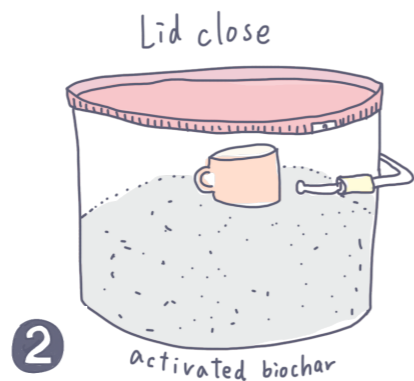
## Kitchen waste to Terra Preta

Illustration: Ayumi Matsuzaka

DVCLÉ [www.dvclé.org](http://www.dvclé.org)  
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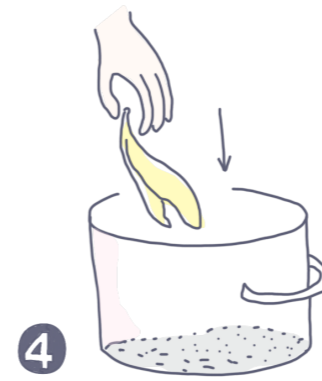
**1** Prepare your Biochar-Bucket!  
 Mix the micro-organisms, biochar powder and water inside of a big bucket with a lid. The biochar powder should not be too wet. When you grab it, it should still keep a lumpy form.



**2** Close the lid. Put a small cup of around 100ml size inside, so that members can easily take biochar powder.



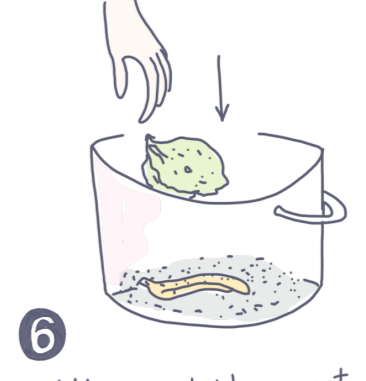
**3** → go home  
 Each member receives a collection bucket and adds a cup of activated biochar powder inside.



**4**  
 Put kitchen waste inside. Chopping into small pieces is better for fermentation.



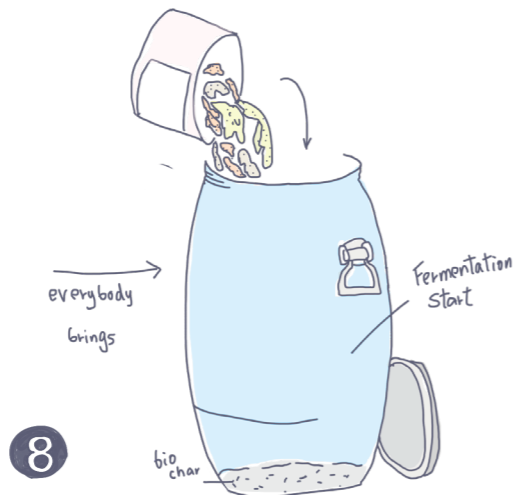
**5** Shake  
 Close the lid and shake, so that the kitchen waste makes contact with the biochar.



**6** Add more kitchen waste  
 Yes! to feed: Vegetables, fruits, tea, Citrus fruits, eggshells, Oil and Fat (small portion)  
 No! thank you!: Bones of fish & meat



**7** Shake and continue until you fill the bucket. It should take about a week.



**8** Every waste warrior brings their buckets and throws the collected kitchen waste into a collection barrel. Beforehand, please don't forget to leave biochar layers in the bottom of barrel. Inside the barrel, fermentation will start slowly.



**9** Add another cup of biochar inside of your bucket and continue to collect kitchen waste at home.  
 No need to wash  
 → go home  
 → continue



**10** While continuing this process, press the barrel so that there is less oxygen inside of the barrel (Anaerobic fermentation).



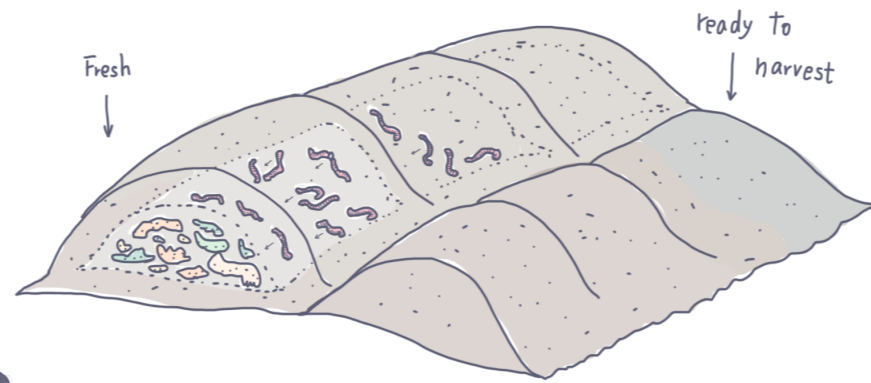
**11** Once the barrel becomes full, cover it with biochar powder and close the lid.



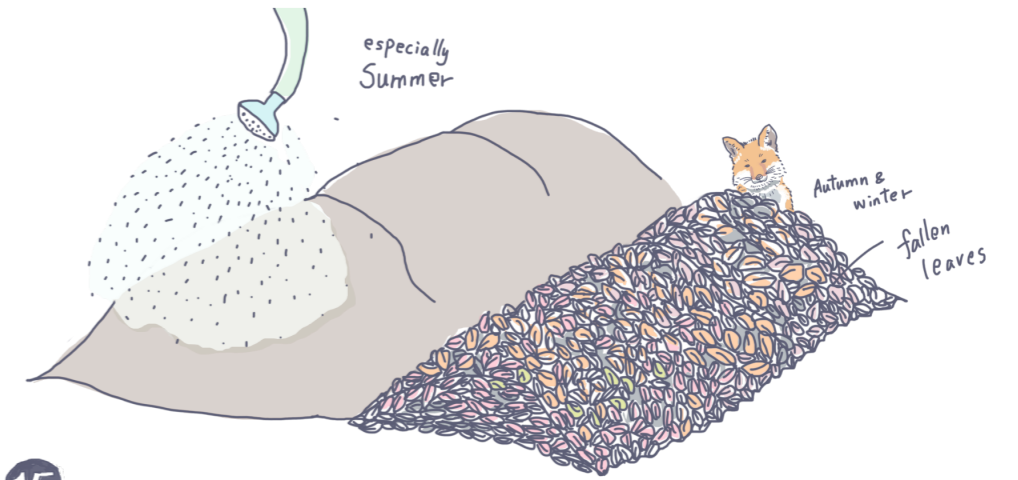
**12** Leave for 6 weeks for fermentation. Prepare the second barrel for your community.



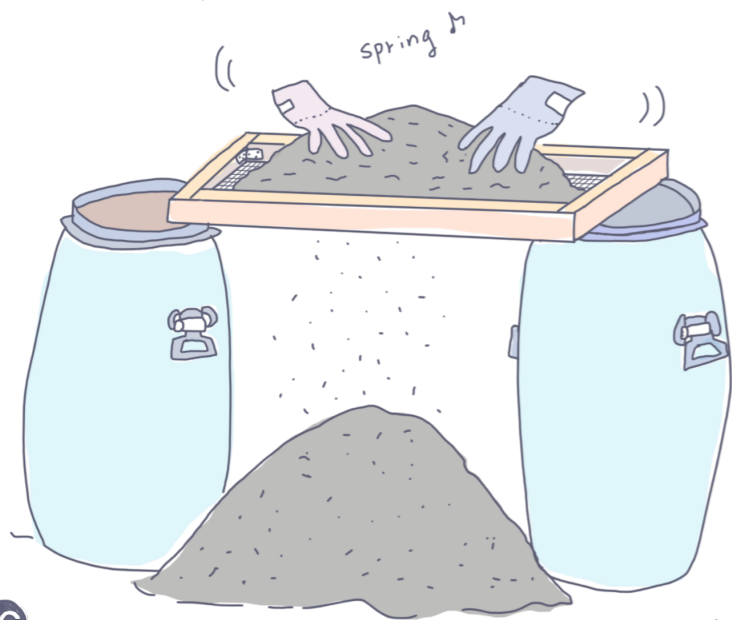
**13** After fermentation, you can still see the form of Vegetables. But the perfume becomes mildly sour. Take the fermented material out and cover it with Top soil. If you have already compst. or Terra Preta soil with you, add it too. You can also add biochar powder. Total amount of added biochar should be 10 ~ 15%.



**14** The best home for your project is a garden edge or Compost Corner. The bottom level should have contact with the soil so that worms can naturally appear. Leave this bed for a few more months, depending on your location and season.



**15** The process goes much faster and easier when you add rainwater during summer from time to time. You can also cover the bed with leaves during the winter season



**16** Once the soil seems to have no traces of waste and you don't find many compost worms, it is ready to harvest. Use the mesh frame to take the big parts of uncomposted materials out.

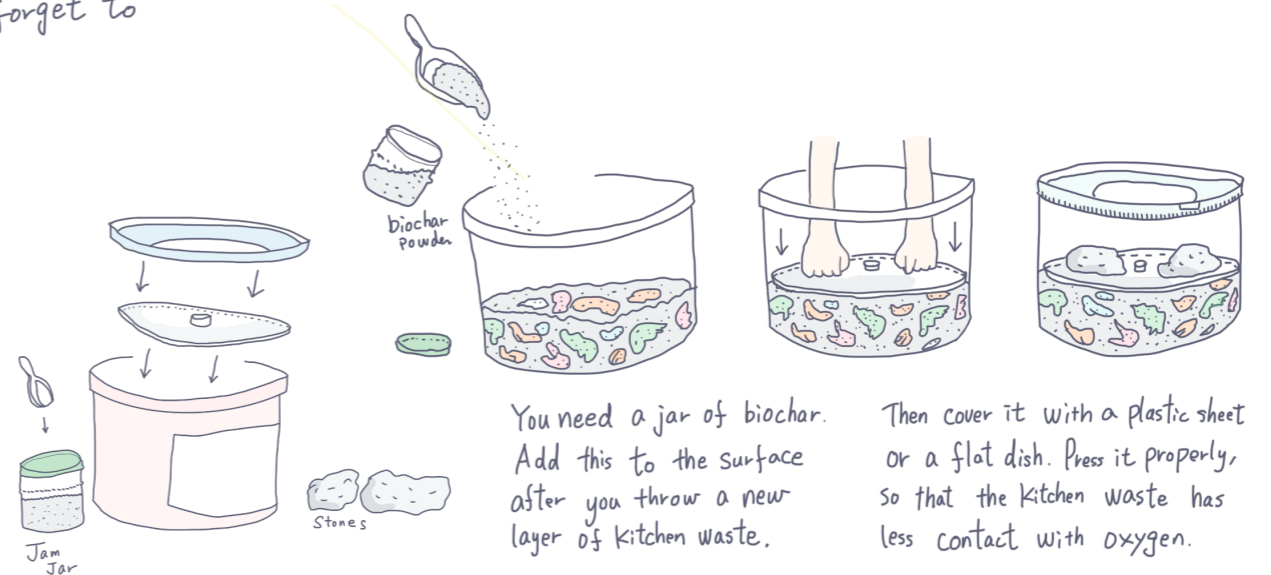


**17** Inform every member to harvest the Terra Preta soil substrate. From ⑬ to ⑰ it is better to do it in a team for fun. Do not forget to celebrate together 🎉



**18** Terra Preta Soil has a powerful effect. It is best to mix it with Top soil when you use it for your plants and garden.

**Advanced Version!**  
For the better fermentation at home  
If you keep the Kitchen waste in a bucket at home longer than one week, it's better to Press more regularly.



You need a jar of biochar. Add this to the surface after you throw a new layer of kitchen waste. Then cover it with a plastic sheet or a flat dish. Press it properly, so that the kitchen waste has less contact with oxygen.