


DIY heater


 Low-tech with Refugees - Low-tech & Réfugiés




https://wiki.lowtechlab.org/wiki/Chaufferette_DIY/en

Dernière modification le 14/08/2024

 Difficulté Facile

 Durée 1,5 heure(s)

 Coût 1EUR (€)

Description

Hand heater

Sommaire

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Étape 1 -

Étape 2 -

Étape 3 -

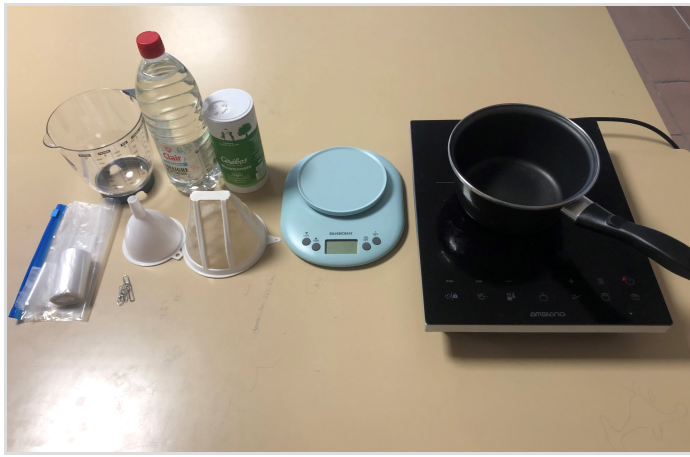
Étape 4 -

Étape 5 -

Étape 6 -

Étape 7 -

Commentaires



Matériaux

- 500 ml White vinegar
- 35 Baking soda
- 500 ml Boiling water

Outils

- Coffee filter
- Spoon
- Saucepan
- Sachet
- Funnel
- Trombone

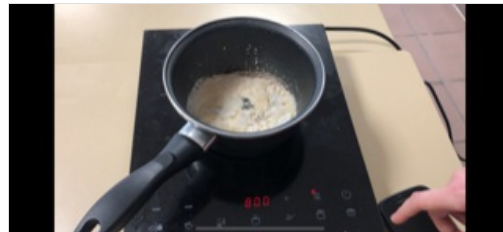
Étape 1 -

Put 500mL of vinegar in a container and gently add the bicarbonate of soda (you will see a gas being released as it foams, this is carbon dioxide).



Étape 2 -

Pour this solution into the 500mL of boiling water in the pan and allow the solution to evaporate: you will notice crystals forming at the bottom of the pan.



Étape 3 -

Remove the crystals from the bottom of the saucepan and crush them so that they fit into the container (in this case, the Pompotes flask).



Étape 4 -

Bring the water to the boil and melt the mixture in the flask at a low temperature until the mixture is liquid.



Étape 5 -

Leave the sachet to stand in the open air, avoiding any shocks.



Étape 6 -

Add the paperclip and then stir the sachet to crystallize the sodium acetate which, being exothermic, will provide us with heat!



Étape 7 -

To reuse it, repeat steps 4 and 5.
