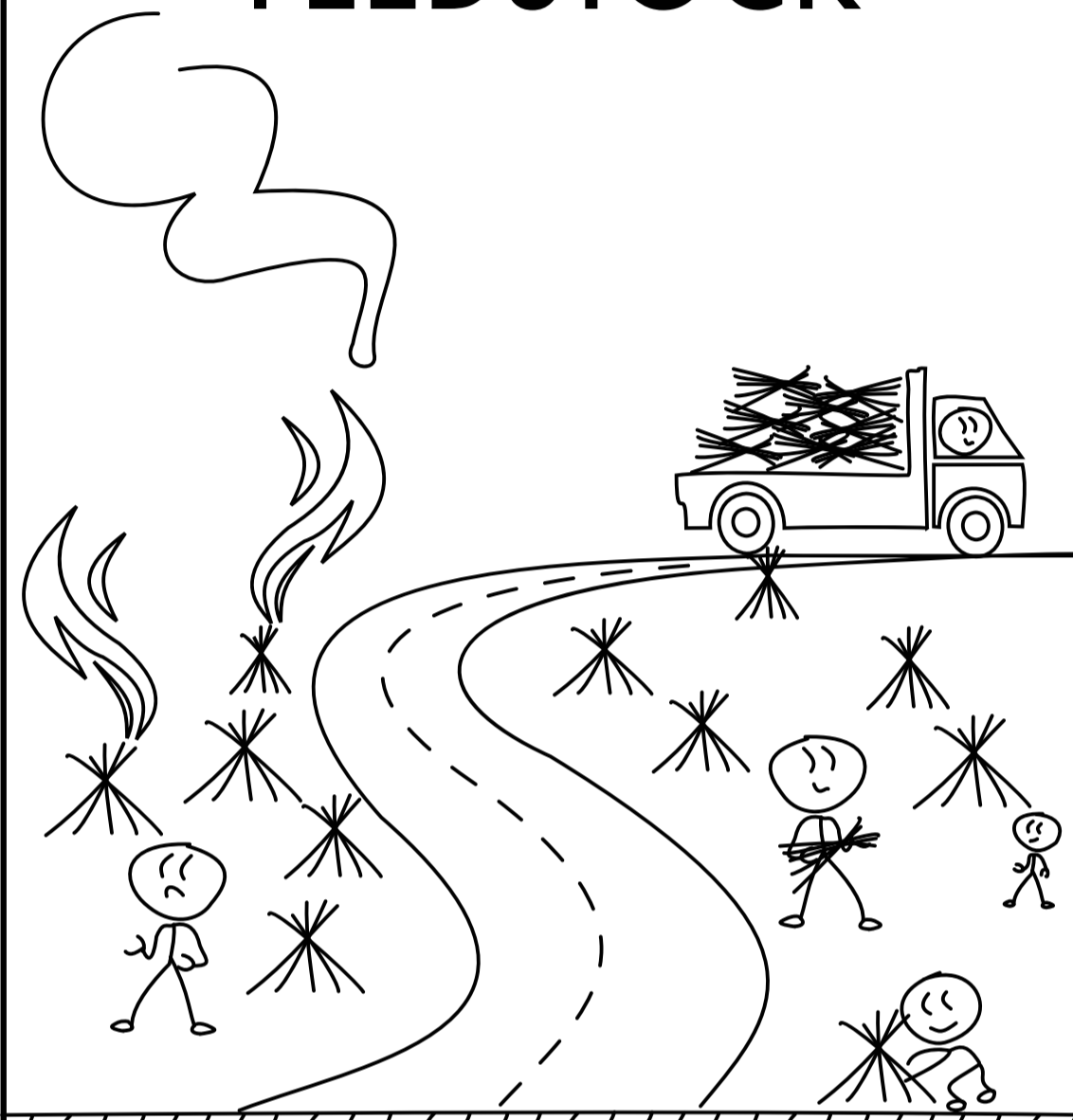


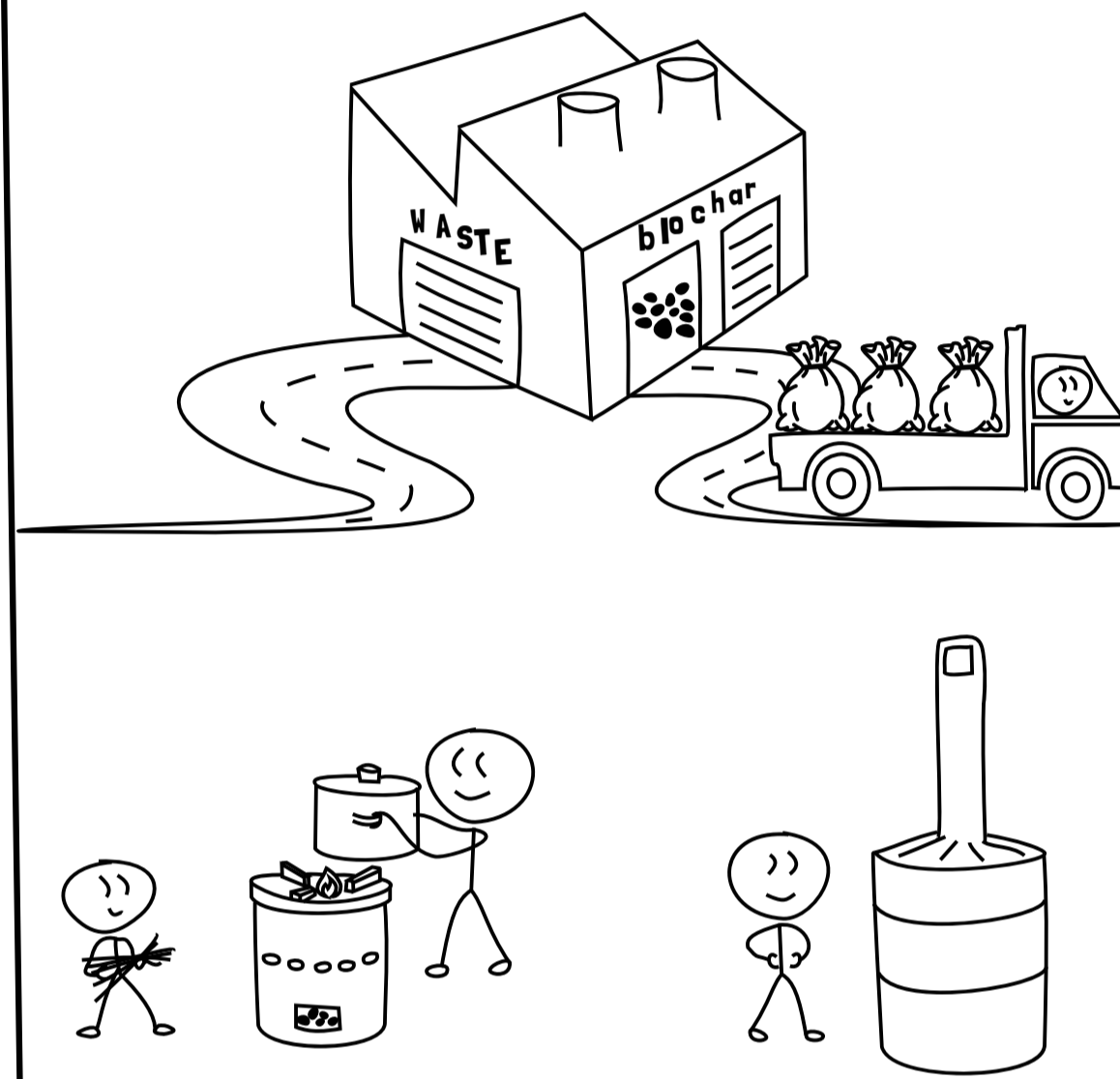
POTENTIAL BENEFITS OF BIOCHAR

SUSTAINABLE FEEDSTOCK



The feedstocks for producing biochar include agricultural and forestry residues, animal manures, sewage sludge, and sustainable purpose-grown crops.

FOR BIOCHAR PRODUCTION



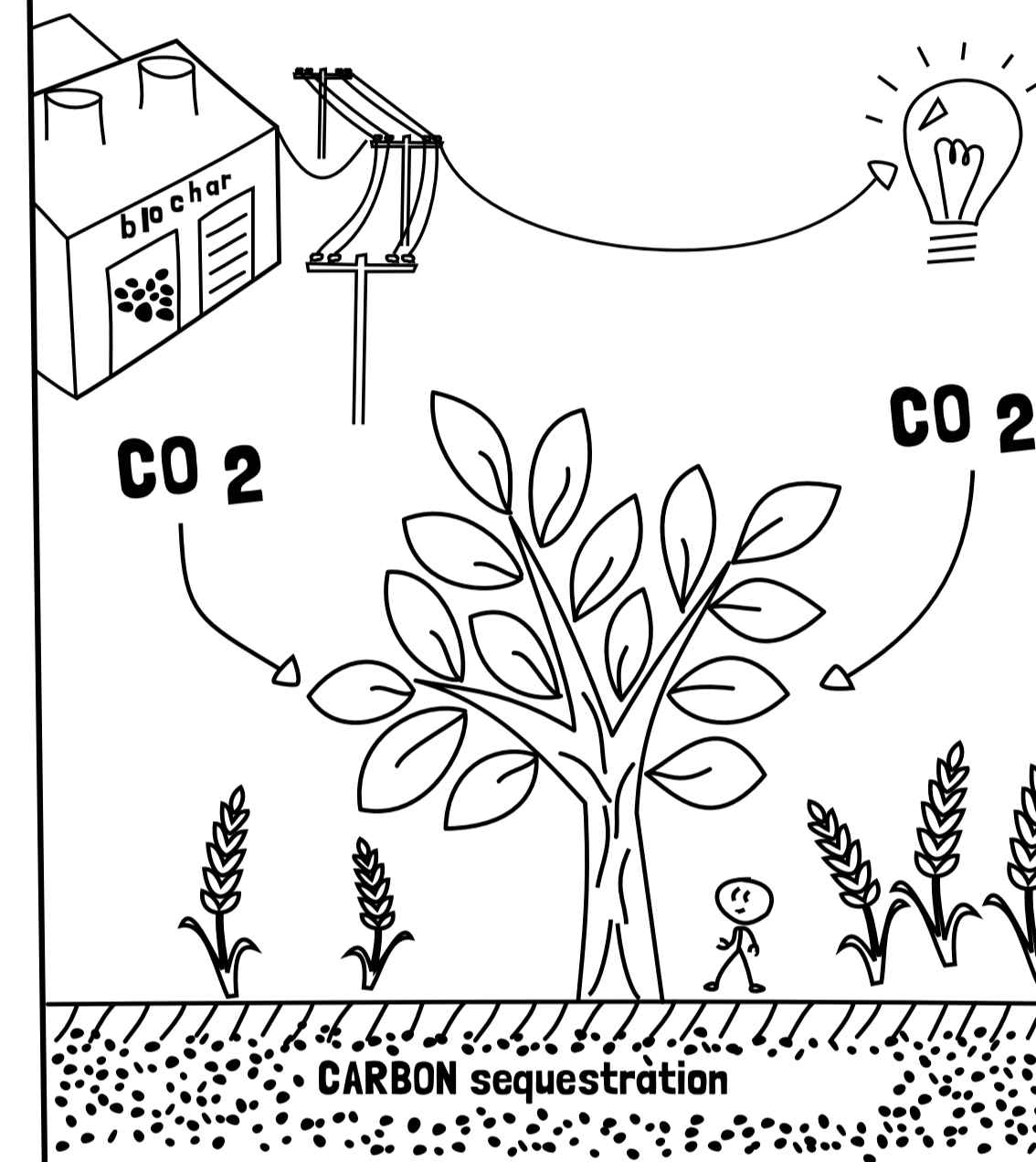
Biochars are produced by heating biomass in the absence of oxygen in ovens ranging from cookstoves to biomass management plants

TO SUSTAIN SOILS,



Biochar formulations applied to soil can increase crop yields, immobilise heavy metals, and reduce nutrient leaching, irrigation and fertiliser inputs

MITIGATE CLIMATE CHANGE



Biochar stores carbon sequestered by plants and can reduce greenhouse gas emissions from soils. Making biochar can generate Renewable energy.

AND ENHANCE LIVELIHOODS



Biochar can increase food security. Switching to biochar-making stoves can also improve rural livelihoods by reducing air pollution and deforestation, while increasing opportunities for agricultural income-generation.

- decreased nutrient run-off;
- improved water retention in soils;
- increased soil carbon;
- improved soil pH;
- improved plant resistance to disease and pests;
- improved soil microbial activity;

- improved soil structure and tillage;
- improved crop productivity and profitability;
- reduced greenhouse gas emissions from soils;
- carbon sequestration in the form of biochar; and
- renewable energy generation during biochar production.



BIOCHAR
FOR SUSTAINABLE SOILS
www.biochar.international