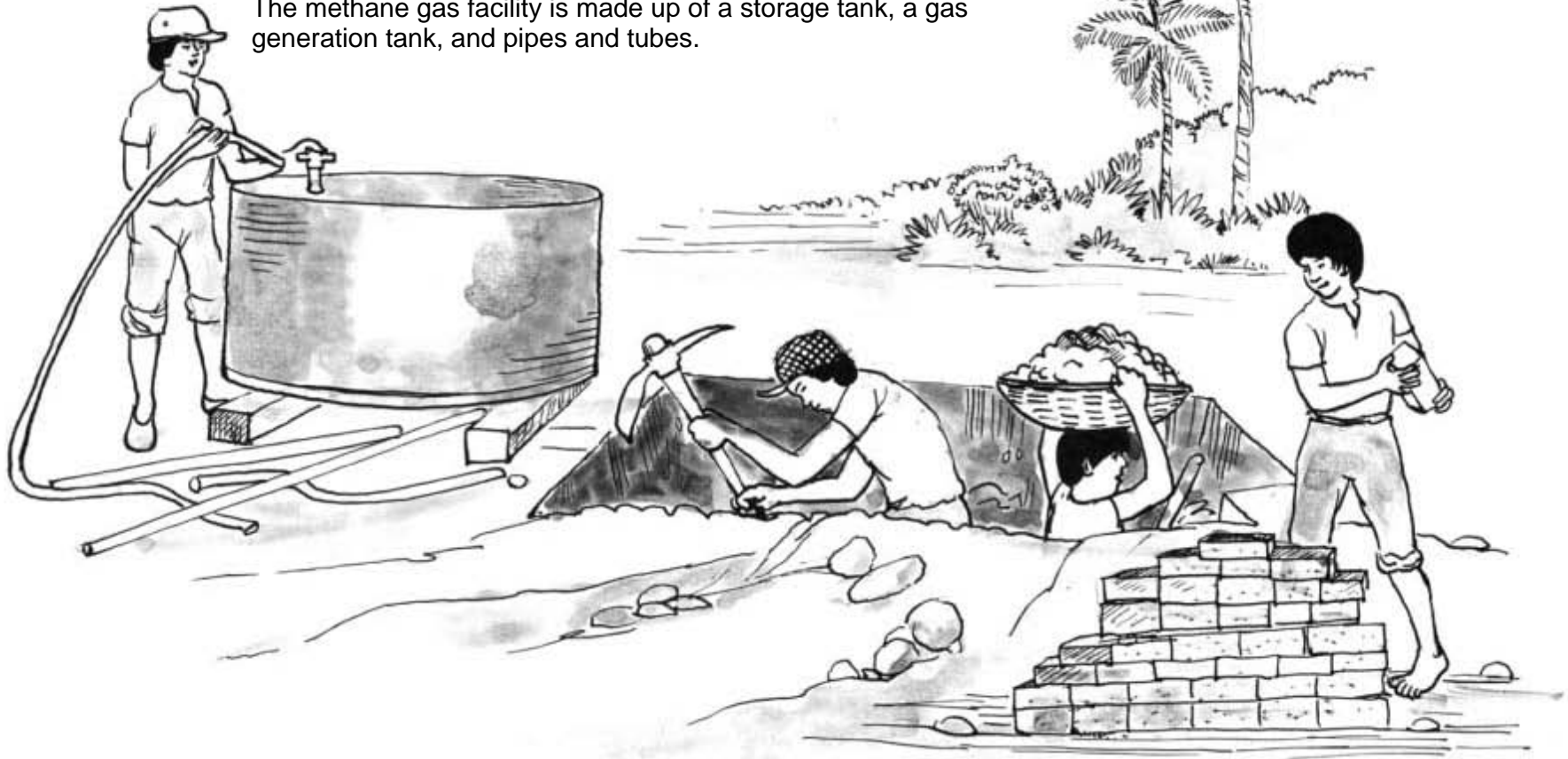


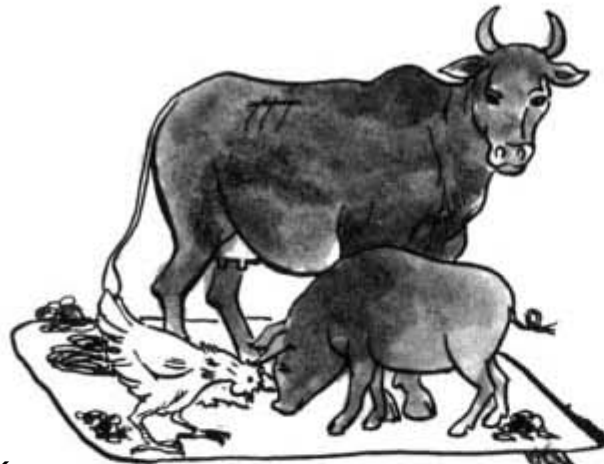
## Let's try to make a methane gas facility

Small methane gas facilities can be made for individual homes, and a larger facility can be built as a cooperative project for use by a number of homes. Once it is built, the methane gas facility can be used for many years with almost no maintenance cost.

The methane gas facility is made up of a storage tank, a gas generation tank, and pipes and tubes.



# Methane Gas Production Facility



- livestock

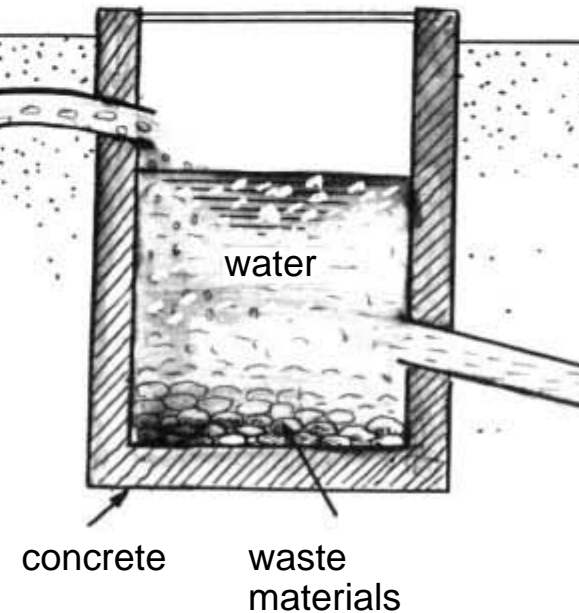


- human excrement
- rotten vegetables and other matter

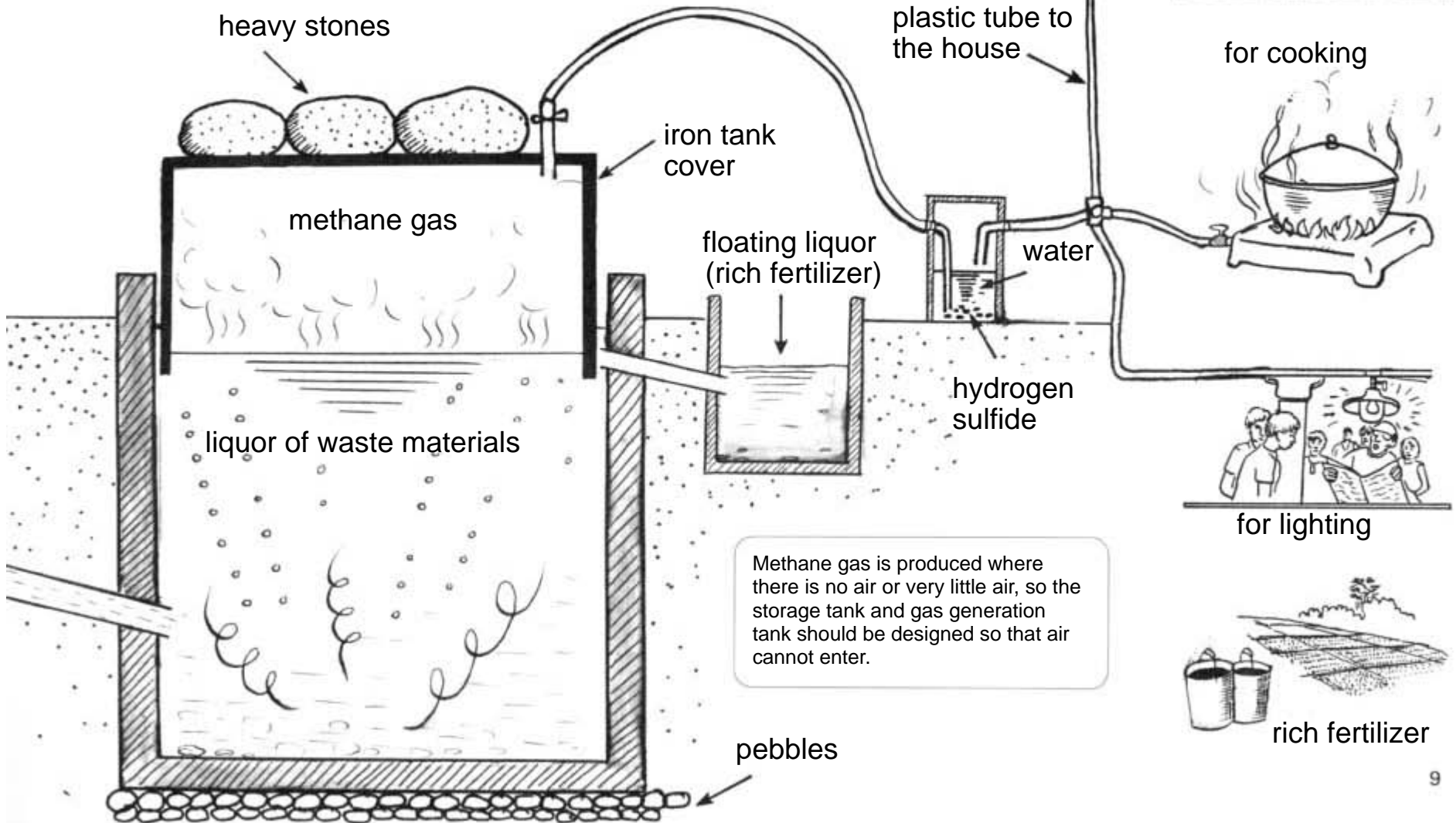


Waste materials to be used are kitchen wastes, human and animal excrement, and weeds and grasses, but Wood, metal, plastic, cloth, etc. should not be used.

## Storage tank

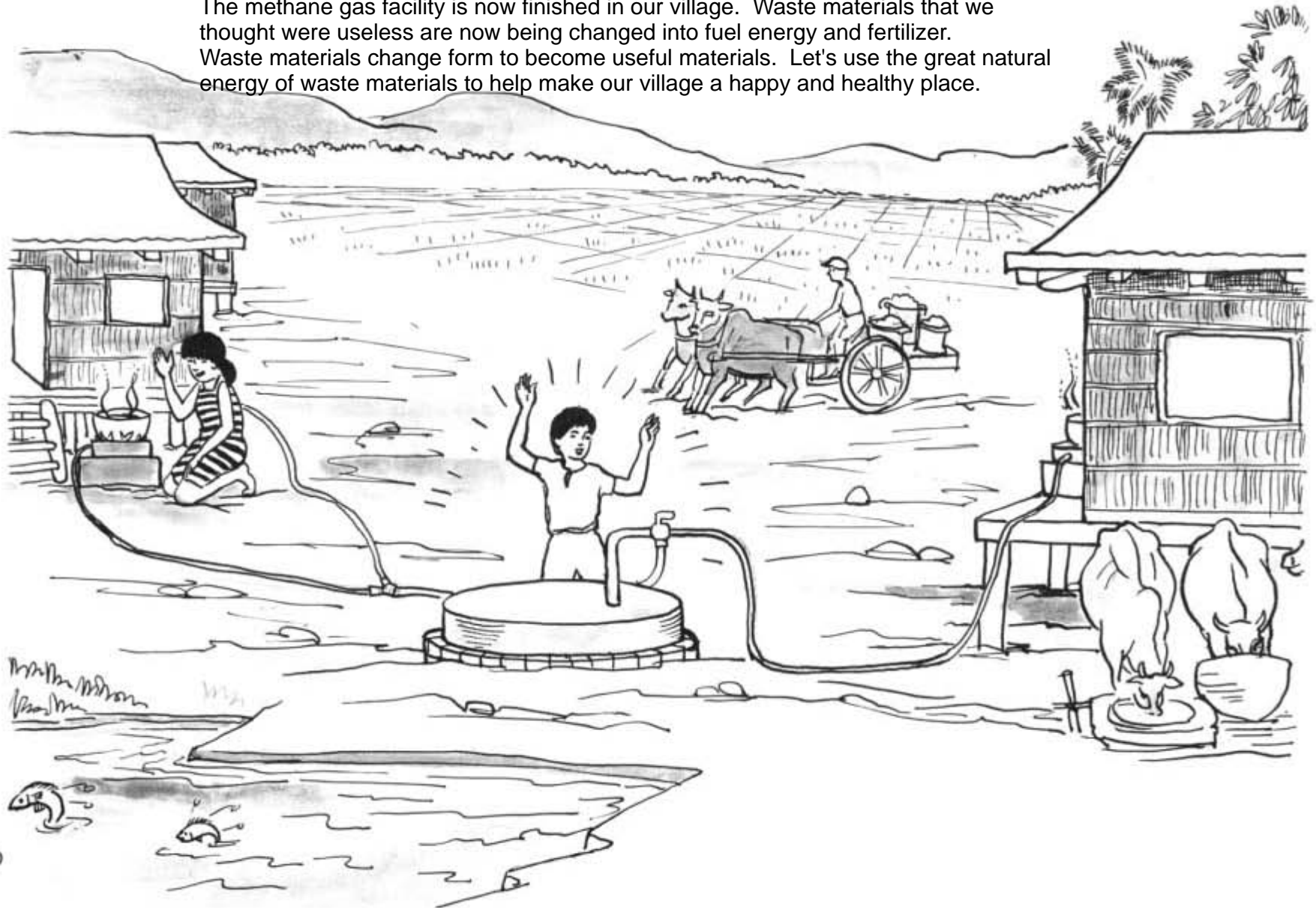


# Gas generation tank



## Let's have nature do more for us

The methane gas facility is now finished in our village. Waste materials that we thought were useless are now being changed into fuel energy and fertilizer. Waste materials change form to become useful materials. Let's use the great natural energy of waste materials to help make our village a happy and healthy place.



# Guide for Utilization

## Objectives:

1. To promote scientific point of view among learners to deal with daily matters.
2. To improve the circumstances of the daily life using the scientific knowledge.
3. To think the possibility of using methane gas produced from daily wastes.

## Target:

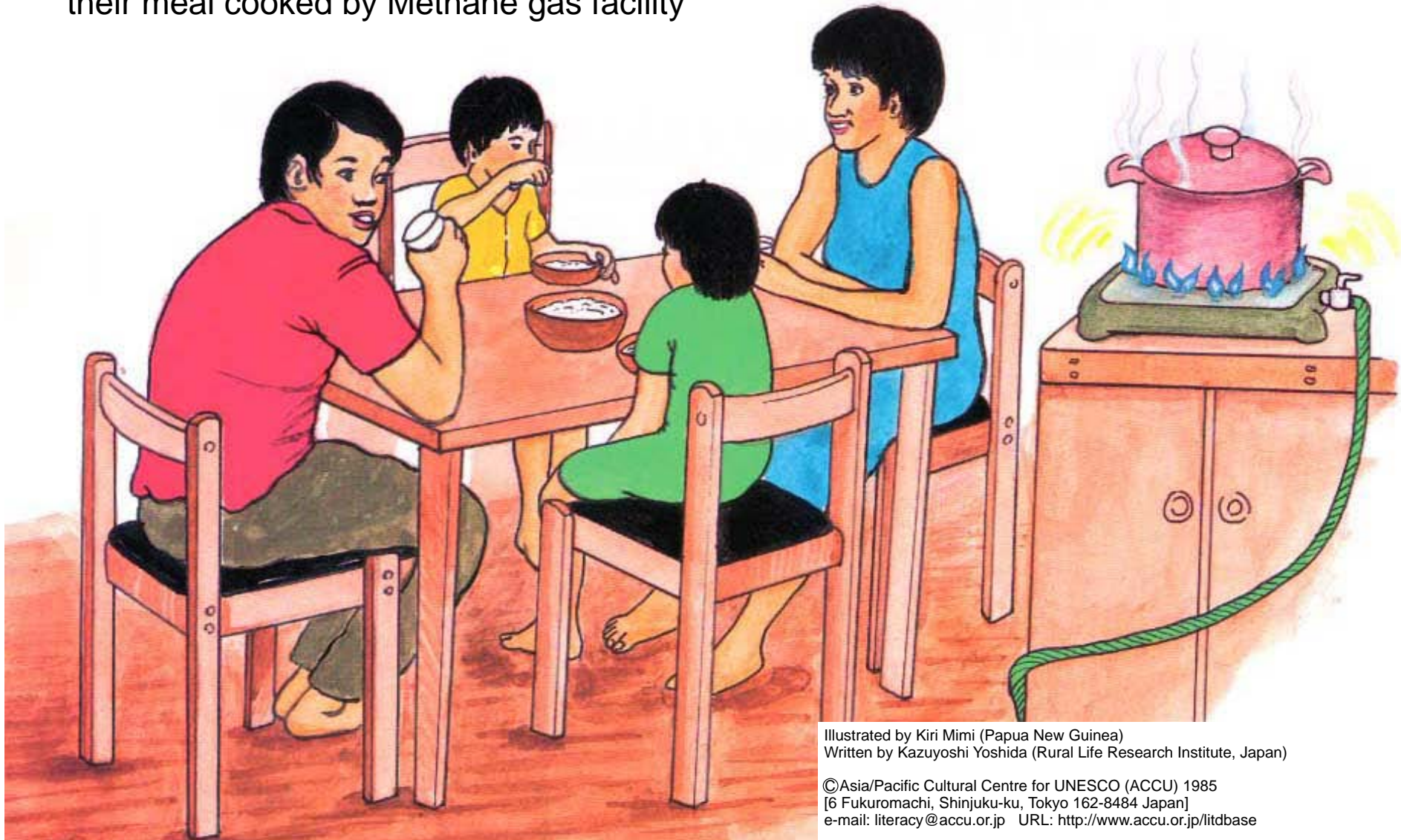
Middle level neo-literates.

## Applications:

1. Before distributing the booklets to learners, instructor asks how they actually deal with their daily wastes in a village.
2. Instructor distributes booklets to learners and asks them to read. Points of interest and problems are then taken up in question-and-answer and discussion among participants (including instructor).
3. Instructor suggests to a group of interested people how to get the information on technique, materials needed and possibility of financial assistance to build methane gas facilities.



Family members are enjoying  
their meal cooked by Methane gas facility



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