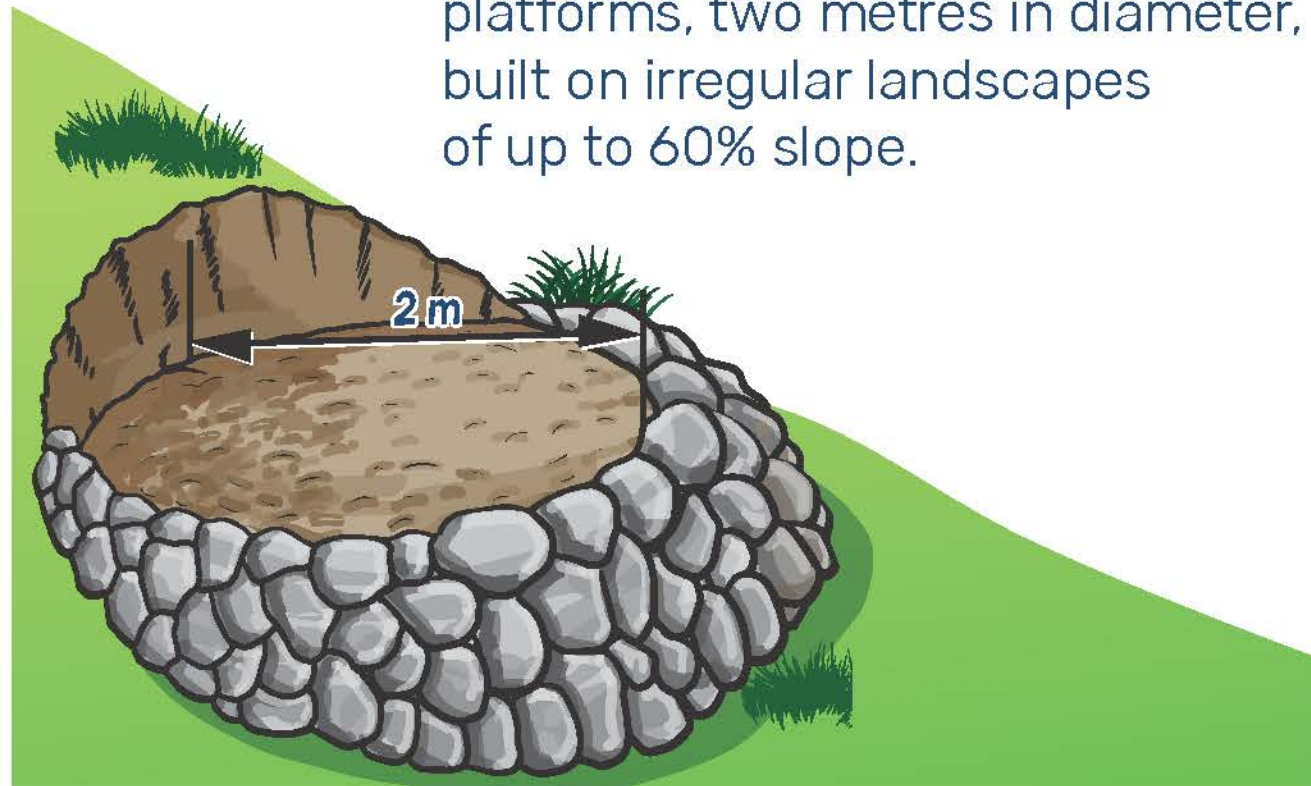


These terraces are small round platforms, two metres in diameter, built on irregular landscapes of up to 60% slope.

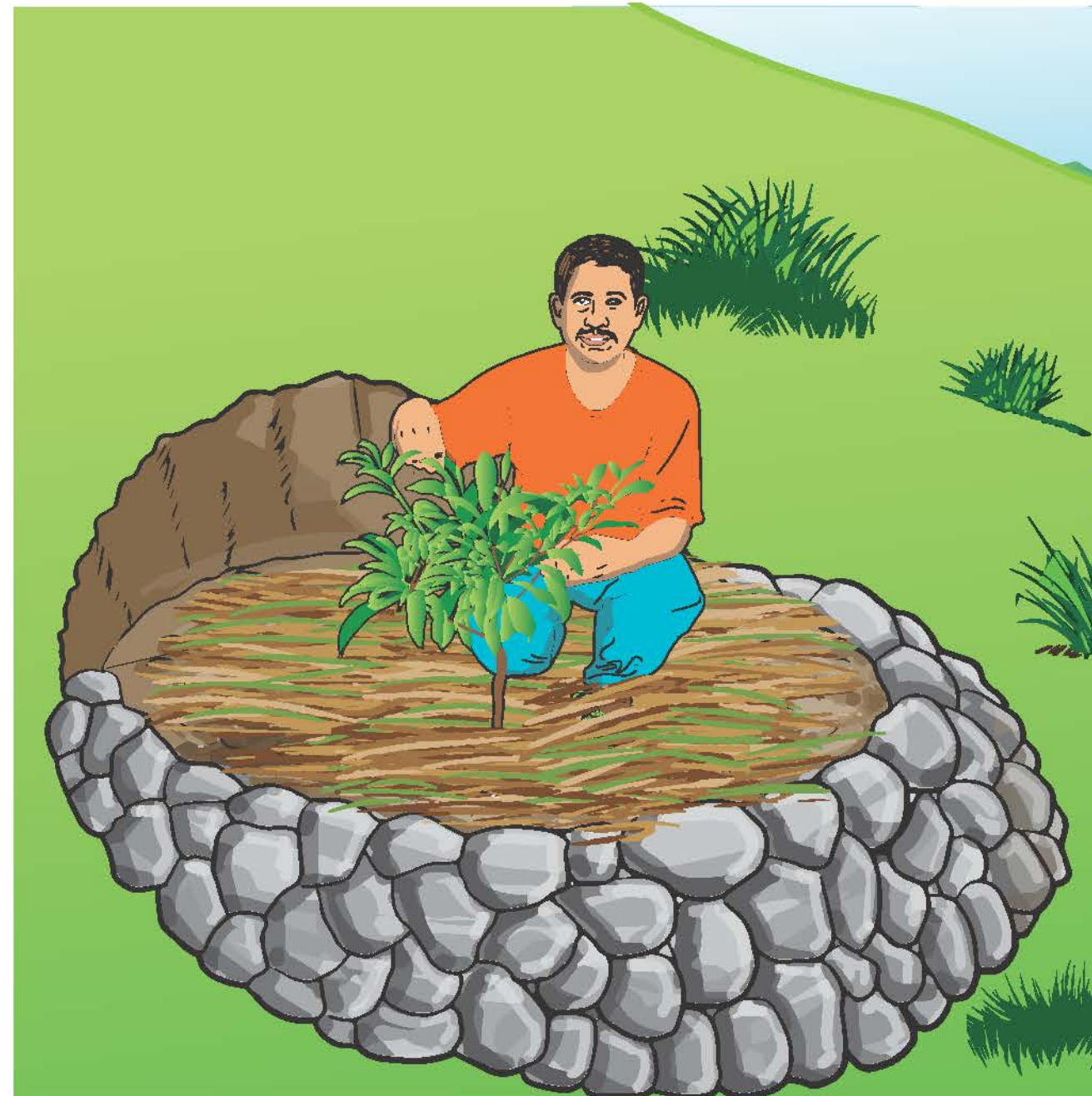


Functions

- To ensure optimum development of the tree
- Better rainwater infiltration
- Conservation of moisture and reduction of soil erosion



They consist of a cut-and-fill with a slight sloping of the ground towards the back of the terrace.



They're perfect for planting fruit trees and other perennials on a contour in staggered rows.

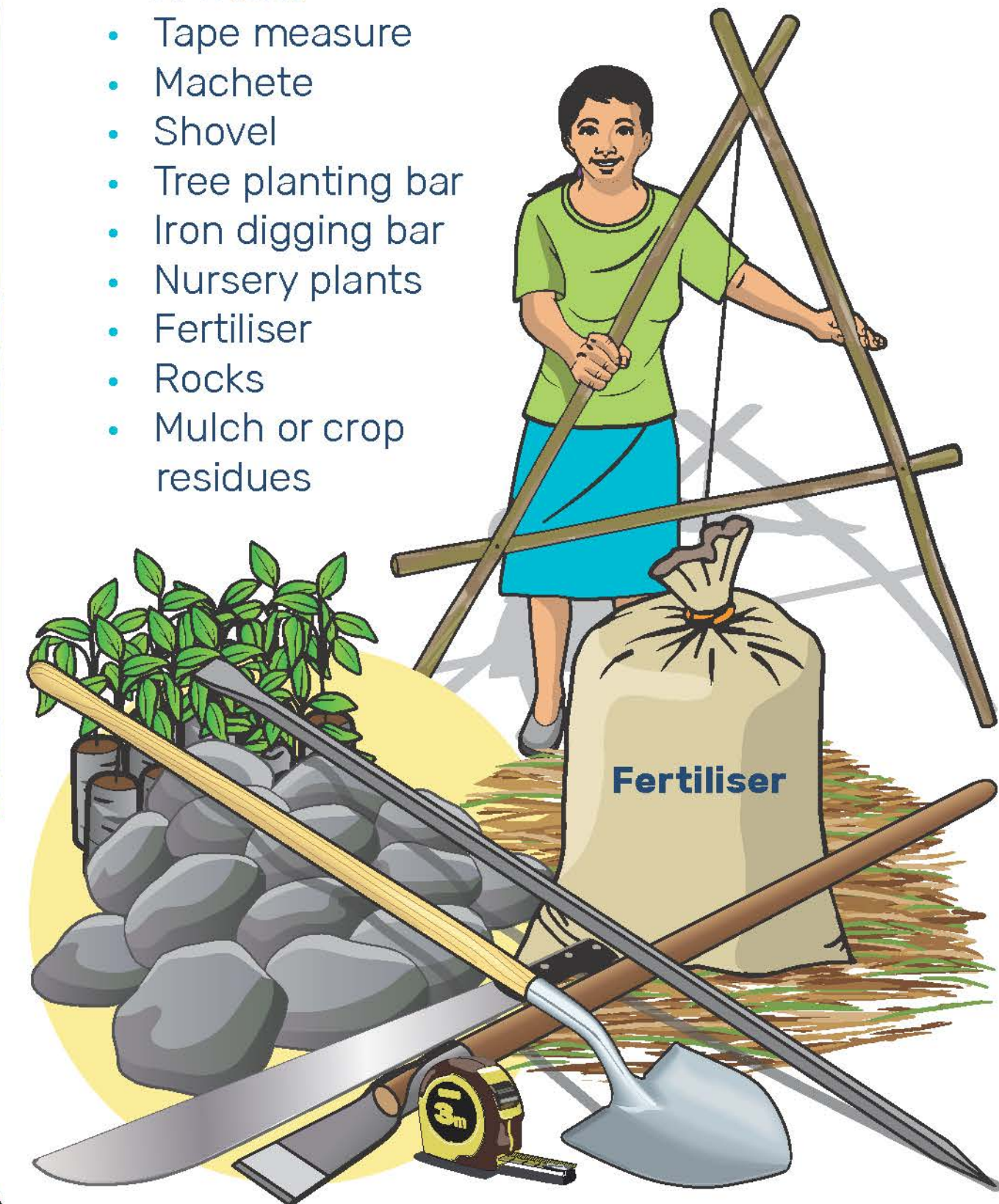
Fruit tree nursery



Establish your own nursery to lower the cost of starting an orchard.

Tools and materials

- A-frame
- Tape measure
- Machete
- Shovel
- Tree planting bar
- Iron digging bar
- Nursery plants
- Fertiliser
- Rocks
- Mulch or crop residues



Organic fertilisers

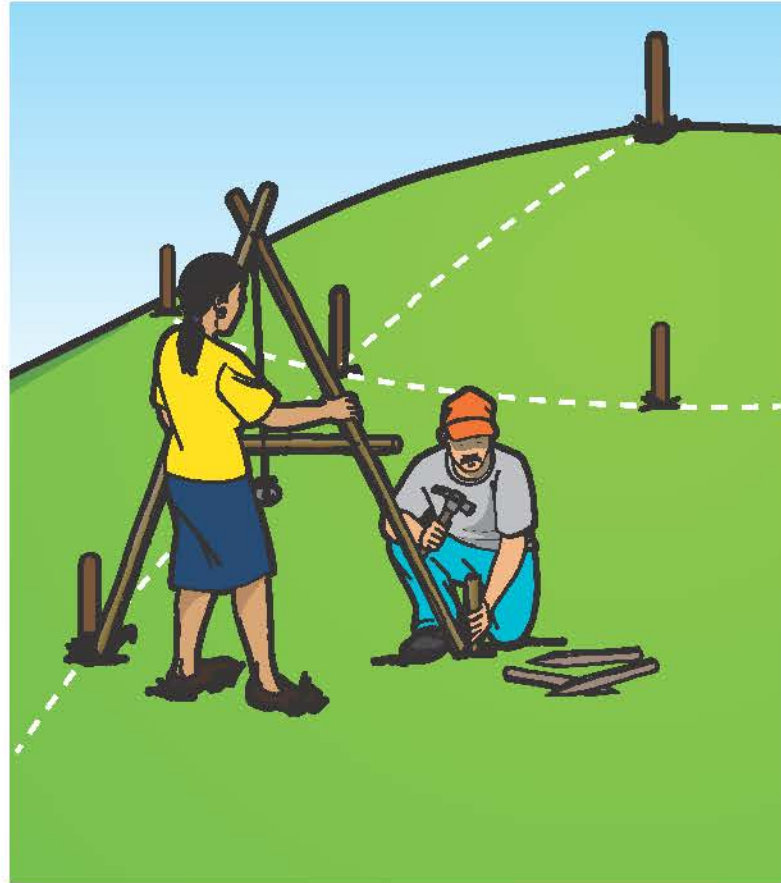
Make bokashi, bio-fermented fertilisers and natural extracts three months beforehand.



Step by step: Building a terrace

Step 1

Lay out the contour lines and mark them with stakes with the help of the A-frame.



Step 2

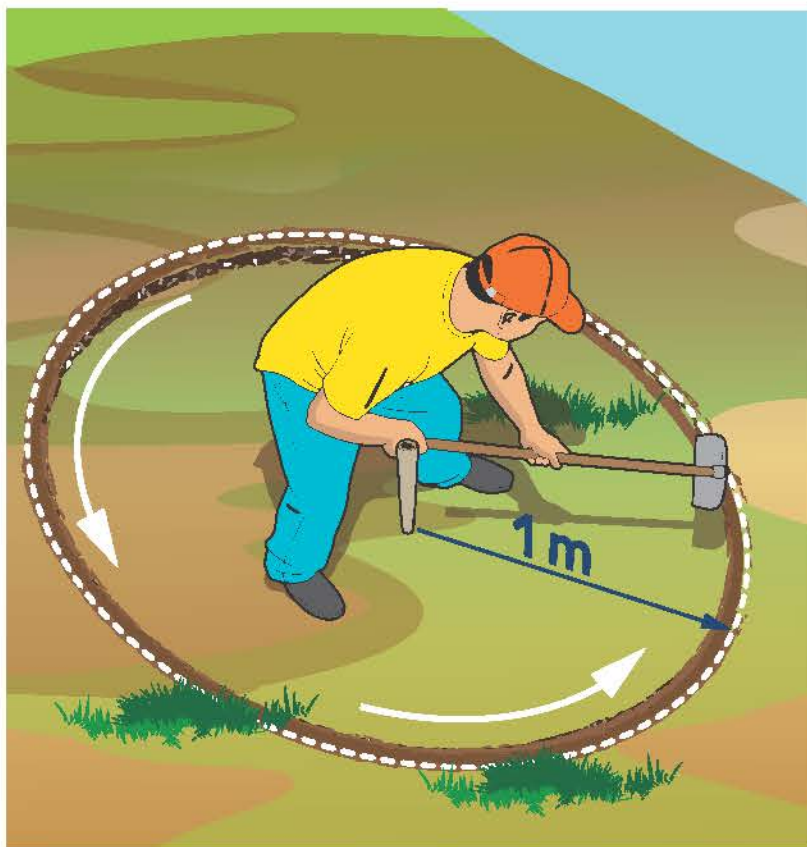
Measure and stake the places where trees will be planted using the staggered row method by using a string triangle.



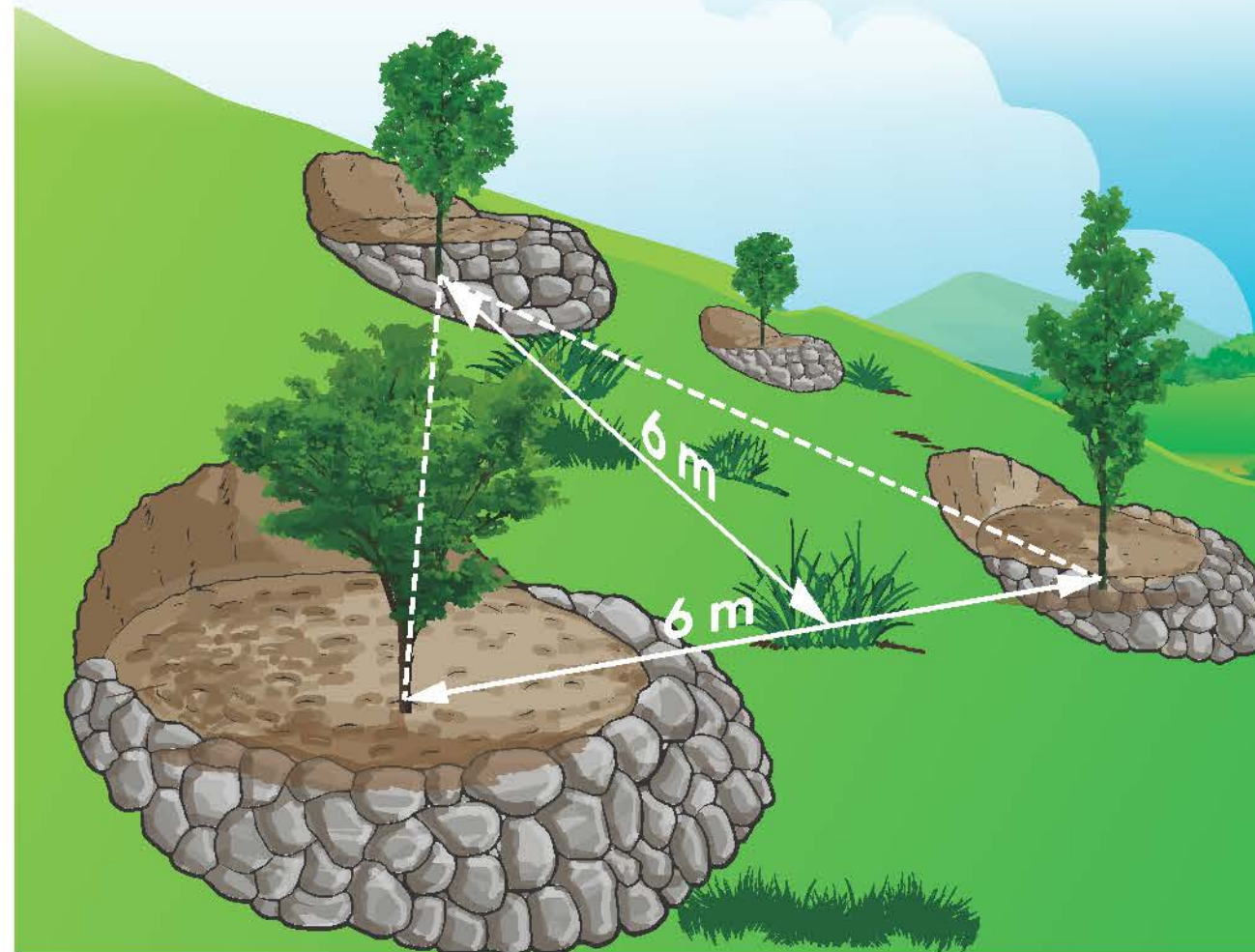
Step 3

Draw a circle where the demarcated stake is the centre of the circle.

Measure one metre from the centre to the edge of the circle.



Individual Terraces



The distance between terraces is on average 6 metres, though this depends on the kind of tree.

Step 4

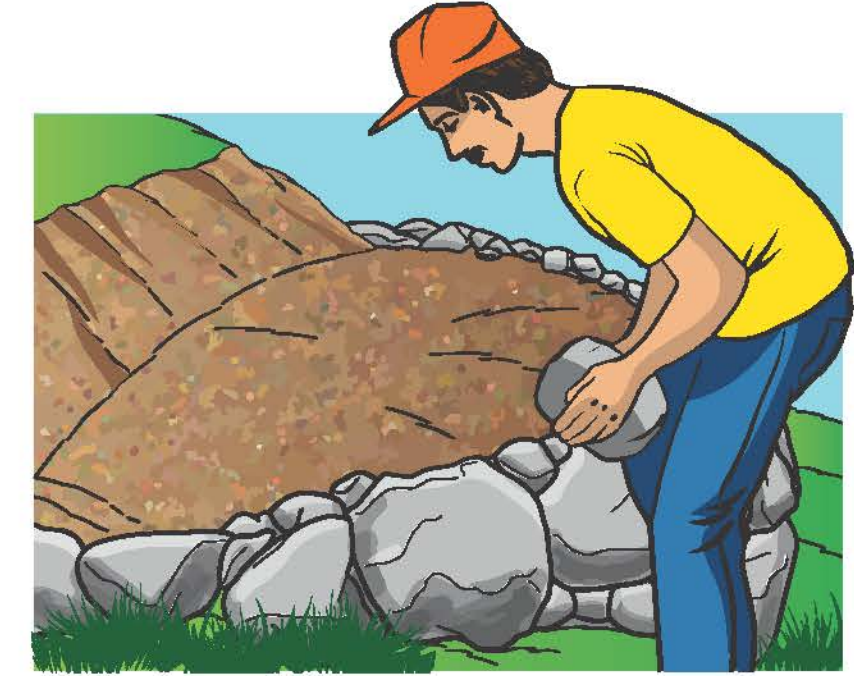
Level the ground within the circle, taking soil from the top half and putting it on the bottom half.



Step 5

Build a stone wall to retain the earth bank, using local resources.

One person can build an average of four terraces per day.



Step 6

Dig a hole a bit larger than the fruit tree bag and put in five pounds of fertiliser or compost such as bokashi at the bottom.



Step 7

When removing the bag from the fruit tree, be careful not to damage the roots. Place the plant in the centre of the hole, level with the ground.

Afterwards, fill the hole with the original loose topsoil you first removed. Then pack the soil down with your hands and then carefully with your feet.

