

# Water Makers

## AQUA TIMES Field Guide

### Materials Checklist:



- 1 shovel
- 1 black sheet of plastic
- small patch of ground
- several small stones
- 1 coffee mug

### PROCEDURE

1. Dig a small pit in the ground that is wider and deeper than the coffee mug.
2. Place the coffee mug into the hole.
3. Use the plastic to cover the hole.
4. Place the small stones around the hole to hold the plastic in place.
5. Select a small stone to be placed directly in the center of the plastic over the coffee mug to form a slope.

Allow your experiment to set overnight

The heat from the sun will cause water to evaporate from the soil into water vapor.

The water vapor will rise until it reaches the black plastic.

The water vapor will then condense into water droplets.

The water droplets will collect together above the coffee cup (where the weight is located), and roll down the slope into the coffee mug.

