

Assessment

Survival: Water

Name _____

The Task:

1. Build a solar still at your house or near your home in a place an adult has given you permission to build the still.
2. Take a photograph of your still.
3. Wait 48 hours from the initial construction of your still and measure the amount of water you have collected.
4. Prepare an 8.5 X 11 poster with the following
 - a. A title - _____s Solar Still (Fill in your name)
 - b. The photograph showing the still in direct sunlight
 - c. Labels drawn from the photograph to identify each part of the still
 - d. A brief paragraph explaining how the still works
 - e. A statement of how much water you collected over a 48 hour period: use milliliters if possible.

The rubric:

You will be evaluated on the following criteria:

- A. Turn in an 8.5 X 11 poster = 10 points
- B. It has your name on it = 5 points
- C. There is a COLOR photograph on the poster which is CLEAR and easy to identify as a solar still IN DIRECT SUNLIGHT. The parts of the still are easy to identify. = 25 points
- D. The following parts of the still are labeled (4 points per part = 28 points)
 - a. The size of the hole
 - b. Wet plant cuttings
 - c. A collection cup
 - d. Plastic sheeting
 - e. A rock
 - f. Air tight seal
 - g. Sun
- E. The paragraph explaining how the still works:
 - a. An introduction – 1 point
 - b. A step by step indication of the still's operation – 10 points
 - c. A conclusion – 1 point
- F. A statement that you collected at least 1 cup of water over the 48 hour period – 20 points.