



The Water Cycle Building Instructions



Materials

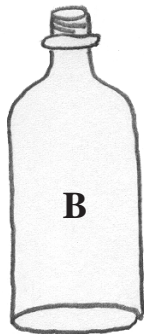
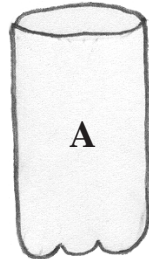
- three two-liter bottles with caps
- a drill with a large (1/4" or so) drill bit
- pliers
- drywall screw or old style compass
- two 30 cm strips of cotton shirt, sock, or rag

Before you begin:

Have an adult drill a 1/4" hole in one of the three bottle caps.

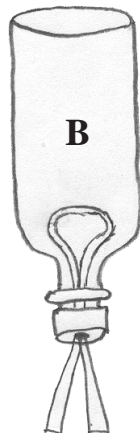
1. Remove labels from bottles.

2. Cut Bottle A just below the upper curve.

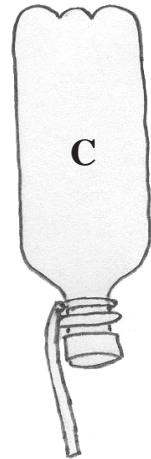


3. Cut Bottle B just above the curved bottom.

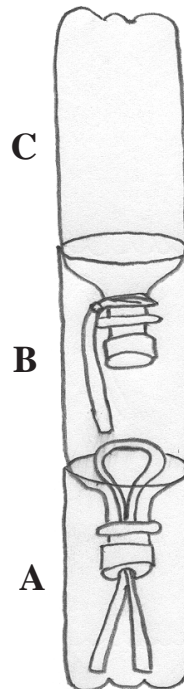
4. Place the predrilled cap on Bottle B. Insert a 30 cm looped strip of rag, sock, or old shirt, so about 10 cm hangs down from the cap.



5. Tie a 30 cm looped strip of rag, sock, or old shirt around the neck of Bottle C so one end hangs down about 5 cm.



6. Assemble.





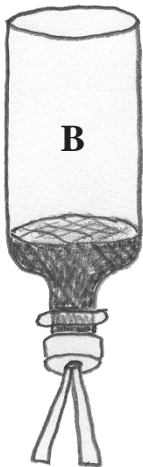
The Water Cycle Filling Instructions

Materials

- soil
- hand shovel
- water
- measuring cup
- grass seed

1. Wet both strips of cloth. This will allow water to travel along the cloth through capillary action.

2. Add about 250 ml of water to Bottle A. This will be your source of water for the cycle.



3. Fill Bottle B with enough premoistened soil to cover the loop of the string (about 250 cc or a little more than 1 cup)

4. Sprinkle a bottle cap of grass seed into the soil in Bottle B.

5. Press the remaining bottle cap into the soil to act as a collection point (pond, lake, etc.) for water.



6. Trim the wick hanging from Bottle C like a necktie so that it hangs over the "pond."

7. Fill Bottle C with 200 ml of water and cap it tightly.

8. Assemble the model and place where it can receive light for growth.

