

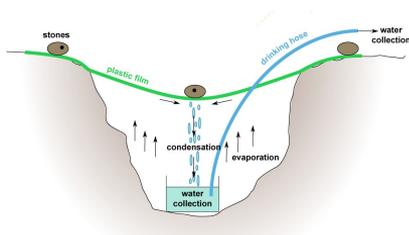


Just Dew It / Desert Dew

How can we collect water moisture from the air?

Water is often scarce in a desert, but moisture can be collected from water vapor, or **humidity**, in the air.

When water evaporates in the heat of the day, that moisture will often condense in the form of dew when the temperature drops at night.



What you'll need:

- Plastic sheet
- Shovel
- Container - tray, cup, etc.
- Rounded rock



Dew The Spadework:

1. Dig a pit larger and deeper than your container and flatten the bottom, so that the container is level when placed in the pit.
2. Set the container in the middle of the pit.
3. Place plastic on top of the pit, making sure that it covers the entire hole.
4. Use the removed dirt, rocks, or bricks to hold the plastic down on all sides of the pit, so that no moisture can escape.
5. Set the rounded stone in the middle of the plastic, creating a shallow funnel pointing down above the container.
6. Check on the dew pit after a few hours. Has any water accumulated in the container?

Explore Further:

- Try different locations. Does it matter if the pit is in the shade? In the sun? Near grass or other plants?
- Compare sizes for the pit. Does a larger pit always mean more water?

Read:

- Go to the library & check out *A Drop of Water* by Walter Wick