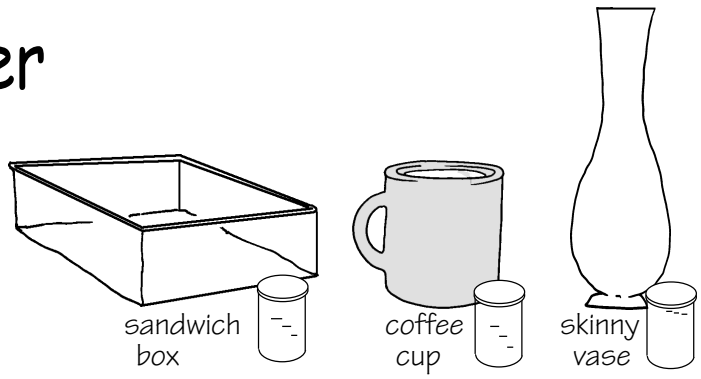
Evaporating Water

FORM

I know that water, left out on a shelf, will evaporate. It changes from a liquid to a gas or water vapor.



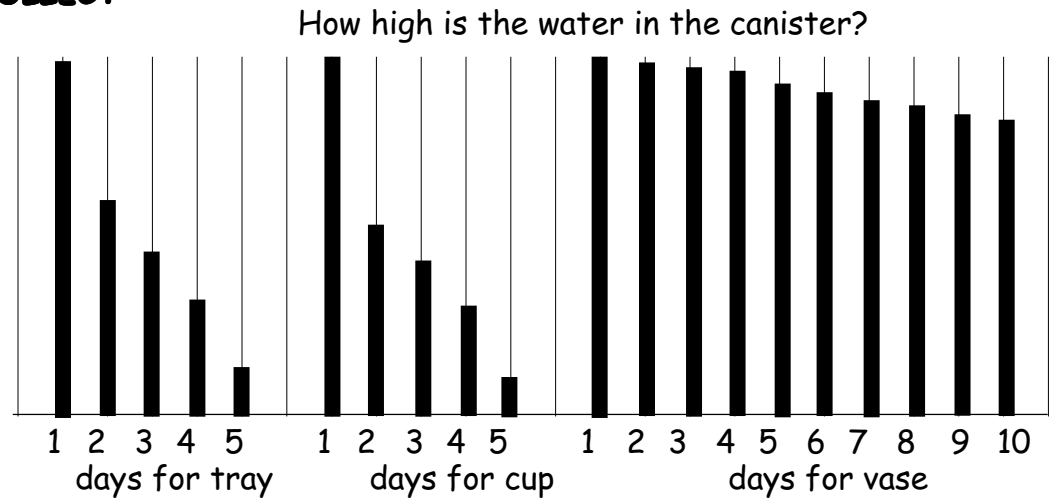
What would happen if I used wide, medium, or narrow containers to evaporate water?

I think the water would evaporate faster in the wide container. The water has more surface area.

DESIGN

1. I need a sandwich box, a coffee cup, a vase, water, and three film canisters. I'll need a permanent pen to mark the film canisters.
2. Fill a white film canister with water and then pour the water into a square sandwich box. Put the film canister in front of the box.
3. Repeat number one with a coffee cup and a skinny bud vase.
4. Wait 24 hours. Pour the water from each container back into the film canister in front of the container. Mark the level of the water with a permanent pen on the side of the canister. Pour the water back into the original container.
5. Repeat number three until all the water is evaporated.
6. Wrap a piece of paper around each canister, mark the lines from the experiment to make a graph.

COLLECT



ANALYZE

My hypothesis was not supported by my results. The water in the cup evaporated faster than the water in the tray. By the sixth day, all the water in both containers was gone. I think the water in the cup might have evaporated fastest because the water stuck to the sides of the ceramic cup more than the plastic box and it could evaporate faster when I poured the water in and out of the cup. Next time, I would use a plastic cup.