

Witnessing Evaporation Worksheet

1. Enter the weights (and units) of each pan in the chart below.

Pan	Day 1	Day 2	Day 3	Day 4	Day 5
A (soil & plants)					
B (soil)					
C (water only)					

2. Graph your results

Make a line graph of the pan data you collected.

- Use a separate piece of **graph paper**.
- Write the **days of the experiment** (Days 1-5) on the X-axis.
- Write the **weight** (include the units) on the Y-axis.
- Graph all three pans on the same graph by using a **different color** for each line.
- Remember to include a graph **legend or key**.

3. Which pan(s) lost the most water? Why?

4. What would happen in Thirsty County if precipitation occurred a lot more than evaporation or transpiration?

5. What do the county’s farmers call a long dry period during which not enough precipitation occurs to match the evaporation and transpiration?

6. What can Thirsty County farmers do to save their crops?

7. Which reservoir will lose more water to evaporation: a reservoir in Arizona or a reservoir in New York? Why?

8. Why does Splash Engineering consider evaporation important in the operation of dams?