

Evaporation

Directions: The problems below are based on testing how the surface area of different containers affects evaporation. 4 different containers were filled with 25mL of water and left out for 4 days. Below are the results. Calculate which one evaporated the most in the table and then answer the questions below.

Containers	Water Starting Volume	Water Ending Volume	Evaporated Water	Ranking (1=most evaporated)
Graduated Cylinder	25 mL	24 mL	1 mL	
Beaker	25 mL	19 mL	6 mL	
Dome Lid	25 mL	14 mL	11 mL	
Flat Lid	25 mL	4 mL	21 mL	

- 1.) Complete the last column of the table. Which container had the most water evaporate? Give this a 1. Then complete the rankings for the other containers.
- 2.) What was the starting water volume for each container? _____
- 3.) What was the ending water volume for the beaker? _____
- 4.) How much water evaporated from the dome lid? _____
- 5.) Which container had the MOST amount of water evaporate? Why do you think this? _____
- 6.) Which container had the LEAST amount of water evaporate? Why do you think this? _____
- 7.) Fill in the blank. As the surface area of a container increases, the amount of water that evaporates from it _____.