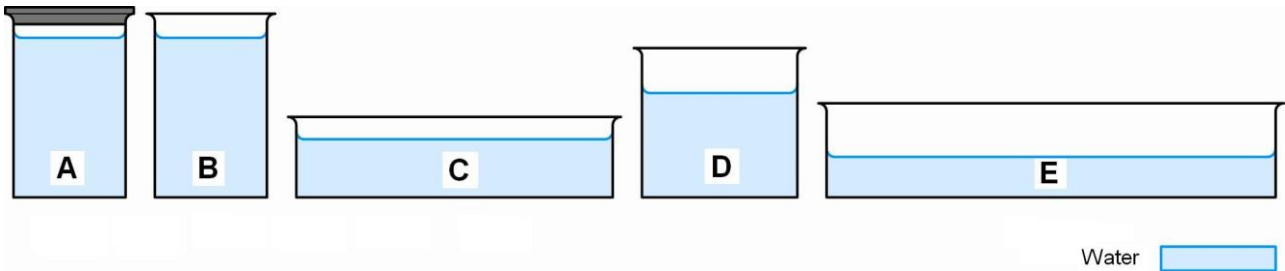


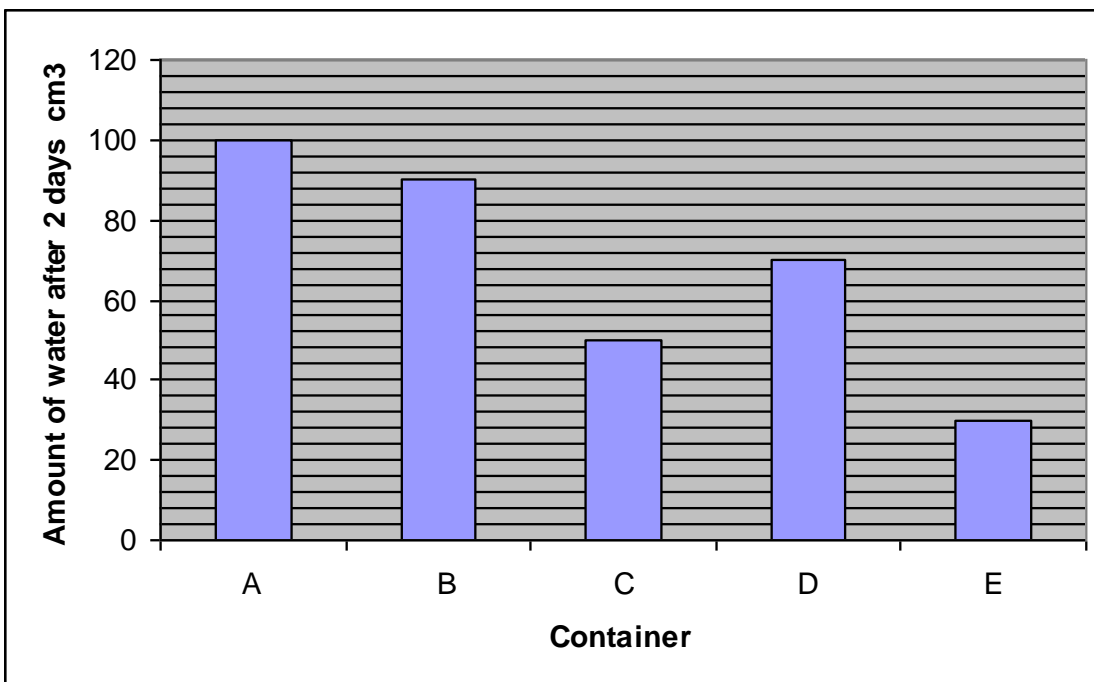
# Evaporation and Condensation

## Activity 1

In an investigation,  $100\text{cm}^3$  of water was placed in different containers as shown below. Only container A had a lid on.



Lara left the containers and measured the amount of water in them two days later. Her results are shown in this graph:



Which container lost the most water?

Why did A not lose any water?

What is the process called when water turns from a liquid to a gas?

Did the shape of the container affect how much water was lost? Explain your answer.

What do you predict would happen to the amount of water lost if Lara had used a container much bigger than E?

**Challenge** *Do all liquids evaporate at the same rate?*

**You will need:**

- Different liquids (for example water, vinegar, orange juice)
- Containers

**Method:**

Put the same amount of different liquids in the same type of containers and leave them all in the same place. Observe what happens over a few days. Record your results.

**Muddy water**

Put a saucer of muddy water on your windowsill and see what happens.

You should see that the water evaporates and rings of dirt appear. Do the same again, but put the saucer somewhere else and compare your results. Do the rings look the same?

Can you explain what has happened?