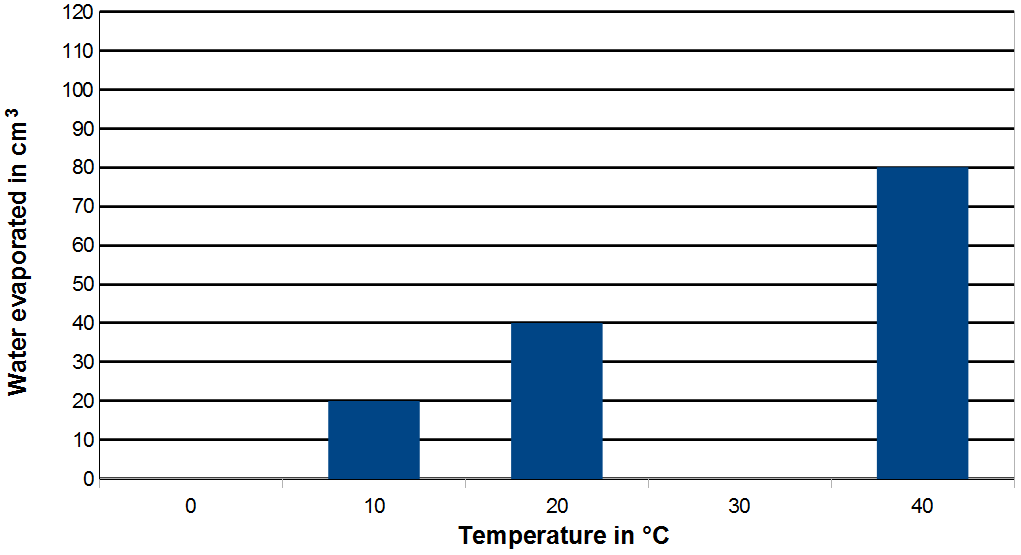
1. In an experiment, five identical containers had water at different temperatures. The amount of water that evaporated from each of them was measured. As shown below, a graph was partially drawn. Study the graph and answer the following questions:
   1. Why no water evaporated from the container at 0°C? [1]

* 1. How much water evaporated from the container at 20 °C? [1]

* 1. What is the temperature of the container from which 20 cm3 of water  
     evaporated? [1]

* 1. Carefully draw a (suggested) bar on the graph where the temperature is  
     30 °C. [1]
  2. What is meant by evaporation? [1]

* 1. Write how evaporation is different from boiling. [1]

* 1. Name the process which can change the evaporated water back into a liquid. [1]

**SOLUTIONS**

Q1a:

It must be having frozen water and solids do not evaporate.

Q1b:

40cm3

Q1c:

10oC

Q1d:

Bar drawn correctly.

Q1e:

Evaporation is the change of liquid at the surface into gas.

Q1f:

Unlike boiling, evaporation can happen at any temperature. Unlike boiling, evaporation does not produce bubbles. Evaporation is slower. Unlike boiling, evaporation only happens at the surface.

Q1g:

Condensation