



Material:

Item-no.	Qty.	Description
DM465-1K	1	Communicating vessels and watering pot
or		
DM466-1G	1	Watering can, small

Purpose

Demonstration of the horizontal (equally high) position of liquid surfaces in communicating vessels.

Preparation

Pour coloured water into the vessel.

Experiment

Compare the water level in the different tubes.

Afterwards tilt the vessel and compare the water level in the different tubes again.



Result

Even if the vessel is tilted sharply at an angle the water level is equal in all tubes.

Note

This property of communicating vessels is the consequence of the independence of the weight pressure from the shape (hydrostatic paradox).

Unequal height causes a difference in the pressure that leads to a movement of the liquid (no longer static).

