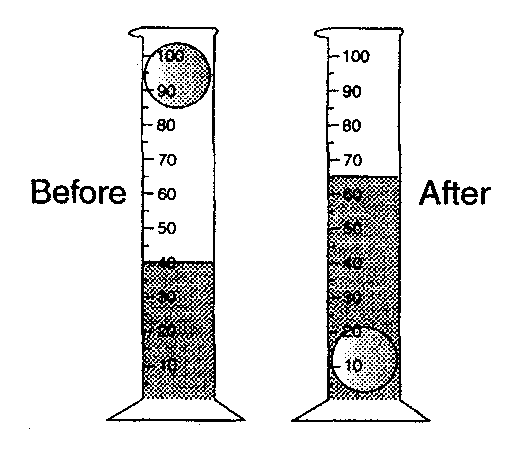
# Calculate the volume



initial volume final volume

**Experiment 1**

**We need.**

* **a measuring cylinder**
* some objects

**Method**

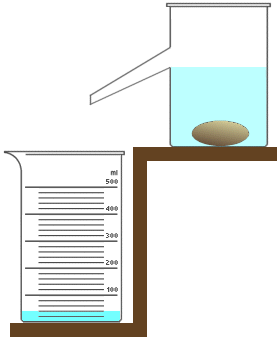
* Put some water in a measuring cylinder and measure the volume. This is your initial volume.
* Then put the object in the water and measure the volume. This is your final volume.
* Calculate the volume of the object with the equation below

final volume – initial volume = volume of object

* Write the volume in the table below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| object | final volume (ml) | initial volume (ml) | volume of object (ml) | Volume of object cm3 | Sink or float? |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

# Calculate the volume with an overflow vessel



final volume

**Experiment 3**

**We need.**

* an overflow vessel
* **a measuring cylinder**
* some objects

**Method**

* Fill the overflow vessel with water until you cannot get any more water in.
* Put the measuring cylinder under the overflow tube.
* Then put the object in the water - If it doesn’t sink, push it just under the water.
* Measure the volume of water in the measure cylinder

This is the volume of your object

* Write the volume in the table below.

|  |  |  |  |
| --- | --- | --- | --- |
| object | volume of object (ml) | Volume of object cm3 | Sink or float |
|  |  |  |  |

Results of experiments

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_