

Fluids Module – Equipment List and Setup

What	Qty	Activities
Plastic dishpan (about 50×30 cm and 10 cm deep)	1	2, 7, 9, 10
Towels	1	2, 7, 9, 10
Equilibrium Tube with stand, Ginsberg Scientific 7-502-4.	1	2
50cc syringe	1	2
2 liter empty pop bottle with cap	1	7
Plastic Beaker	1	7
Medicine dropper	1	7
Toothpicks	A few	7
Watering can	1	2, 9, 10
Masking tape	About 30 cm, but see below	9, 10
Plastic boat	1	9
200 g mass (disc)	2	9
Water tank (about 30×20 cm and 12 cm deep)	1	9
Water container with a mark near the top and small holes at $\frac{1}{4}$, $\frac{1}{2}$, and $\frac{3}{4}$ of the distance from the bottom to the mark	1	10
Ruler	1	2, 9
Flexible plastic hose, about 1.5 m long	1	11

Setup Notes

The medicine dropper for Activity 7 must float in water; some droppers with large squeeze bulbs sink. A *Life* brand medicine dropper from Shopper's Drug Mart works well. The beaker must be somewhat taller than the length of the medicine dropper.

The boat of Activity 9 should be only a bit smaller than the tank. The weight should be such that the boat just floats when the weight is in it.

Although the students will only need a small quantity of masking tape, it is easier to just give them a roll.

last update Sep.2, 2009 by Jason Harlow based on suggestions from Lilian Leung