

Technical Notes

Smoke Cell



Setup Procedure

Place the Brownian Motion Apparatus on the stage of a microscope so that when you look through the microscope the teat of the Brownian Motion Apparatus is on the left hand side.

Shine a lamp directly into the front of the Brownian Motion Apparatus and adjust its position so that when you look through the microscope it is nice and bright.

Light a piece of twine and blow it out – this gives a reasonable source of smoke. Now squeeze the teat and suck in the smoke.

Adjust the focus until you can see the random motion of the smoke particles.

Another Option

If you have a microscope that has a camera attached then you can project the image for the whole class to see.