



## Microscopic Laser Shadow

### Imaging to Observe Micro Organisms in Water

#### Materials

- Some water from somewhere organic, like a pond, puddle, or a plant pot
- A laser pointer
- A syringe or micro pipette
- Some kind of stand to make the activity easier

#### Procedure

- You want to make a stable droplet of water hang off the end of something, if you have a syringe this is quite easy, but you should be able to achieve the same effect using a piece of string, or another object.
- Shine your laser pointer through the droplet onto a white surface, and watch.

#### What may happen?

You should see shadowy patterns projected onto the screen, most will just move with the flow of liquid, but some zip around on paths of their own.

**Please use caution when doing any science activity. Be careful not to get any of the solution in your eyes, and wash your hands after handling the solution.**

