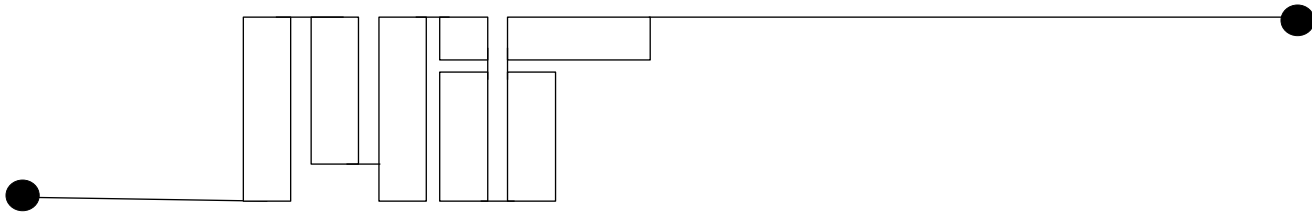
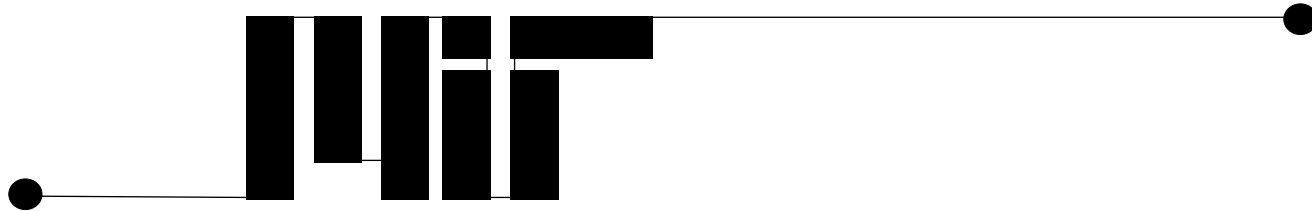
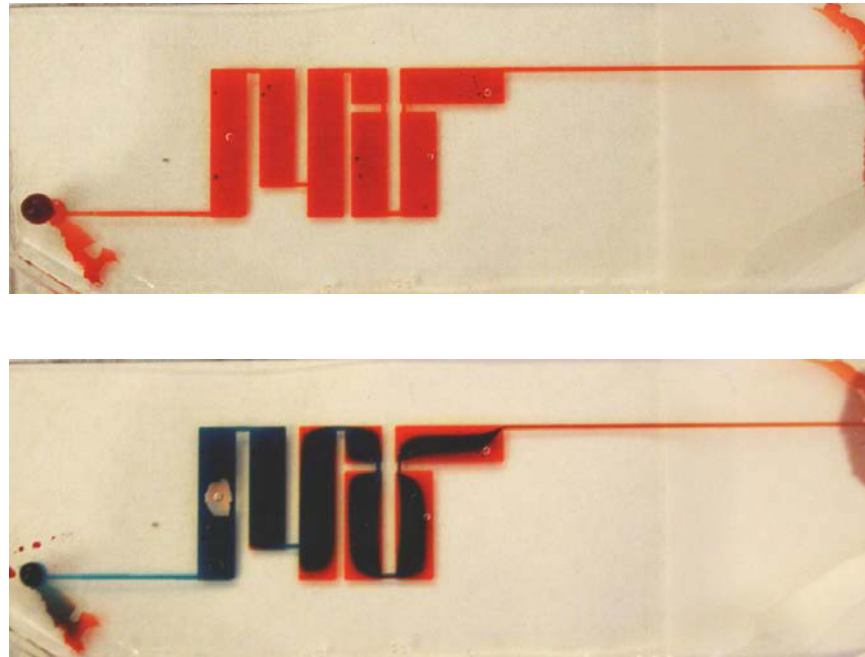


Lab #6 PDMS Microfluidics

MIT Logo

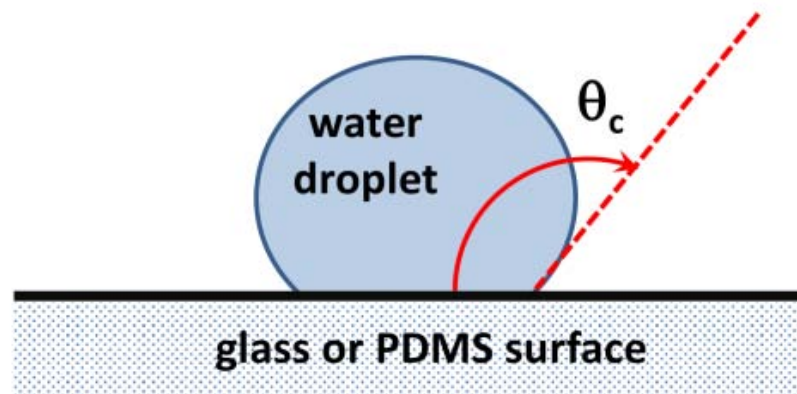


Resistance



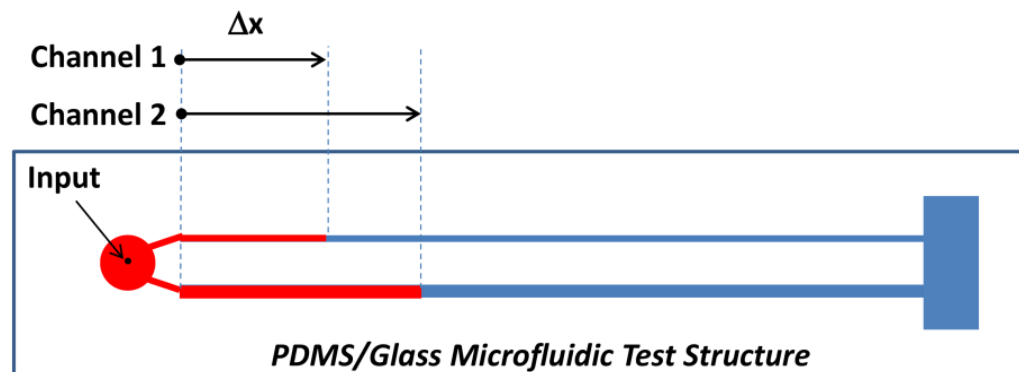
The blue food coloring is taking the path of least resistance as it moves through the microfluidic MIT logo.
Perhaps this could be used to visualize fluid flow around different shapes.

Contact Angle



Using the overhead projector and a micropipettor, measure the contact angle for a 40 μ L drop of water on: A glass slide, a piece of PDMS before corona treatment, a piece of PDMS after corona treatment.

Flow Rate



You have been given a microfluidic test chip with a single input and two different channel widths. Determine the ratios of the flow rates of the different channels by injecting food coloring from one side of the chip and measuring the flow distance at three different times.

It is time to design your own!

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6.S079 Nanomaker
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