



*Create multiple color circles with only one marker.*

### Material:



- one or more non-permanent markers
- coffee-filter
- water
- paperclips
- wooden sticks
- as many glasses as different markers

### Instruction:

Cut the coffee-filter in stripes, one stripe for every marker, you want to test.





Bring them all in the center of the stripes and clip every stripe to one wooden stick, by



Effectively, it is not by the level of water, but by the level of water reaching the glass. Until the level of water rises the



Now you need some patience. Watch the water rise and discover how the color circle changes.

### **Explanation:**

The colors are absorbed by the filters. By becoming wet, the colors split and have to be absorbed again. Different colors are more or less absorbed by the filters and therefore a color which can be absorbed very easily does not move such a long distance and colors, that cannot be absorbed so easily move a longer distance. So the different colors split up and create this spectrum or rainbow.