**The effect of changing the type pf solvent on the chromatography method measured by the distance travelled by the ink measured in cm.**

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| --- | --- | --- |
| Controlled variable | How will you keep this controlled? | How could it effect your result if not controlled? |
| 1. Volume of solvents | 1. Measuring cylinder | The colors will travel fast, and the colors will be light and they will go further. |

The permanent markers I use are: **Black**, **Blue** and **Red.**

The solvents that I use are: **Water**, **Rubbing Alcohol.**

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| **Photos for the Experiment Preparation** | | |
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**Results**

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| --- | --- | --- | --- | --- | --- | --- |
| **Solvant** | **Color 1** | **Colors appeared & distance travelled by each color/ cm** | **Color 2** | **Colors appeared & distance travelled by each color/ cm** | **Color 3** | **Colors appeared & distance travelled by each color/ cm** |
| Water | **Black** | No other colors appeared.  0 cm | **Red** | Light Orange.  2.1 cm | **Blue** | No other colors appeared.  0 cm |
| Other Solvent Rubbing Alcohol | **Black** | Grey and light grey.  7 cm it travelled. | **Red** | Orange and Yellow.  7.8 it travelled. | **Blue** | 3.8 it travelled. |

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| **Photos shows the results** | | | |
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