

# Think About It: Chromatography

1. The word “chromatography” comes from the Greek words “chroma” and “graphein.” What do these Greek words mean?

Chroma: \_\_\_\_\_

Graphein: \_\_\_\_\_

2. What is the direct translation of the words in the question above?

\_\_\_\_\_

3. Fill in the blanks according to the information graphic in the video.

A \_\_\_\_\_ dissolves into a \_\_\_\_\_ to make a \_\_\_\_\_.

4. What does chromatography do with a solution?

\_\_\_\_\_

5. Fill in the table to show your observations.

Ink Colour	Colours Observed on the Filter Strip After Soaking

# Think About It: Chromatography (continued)

6. Which colour travelled the farthest up the filter paper? \_\_\_\_\_

7. When the filter strips were soaked in the video, some strips showed some of the same colours. For example, two of the strips had blue. Fill in this table with your observations from your experiment.

Colour That Was on More Than One Filter Strip	Colour of Ink I Started With

8. What surprised you about this experiment?

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9. This colour separation happened with ink. Where else have you seen colours separate out of something in a similar way? List all the places you can think of.

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**Note:** You may wish to do this experiment again with different marker colours. Use a separate piece of paper to record your observations in tables. Compare your observations with your first experiment. See what colours the different ink colours have in common.