

CHROMATOGRAPHY LAB replacement activity (spring 2020)

WHAT TO TURN IN (upload answers to Focus-Portal): KWL chart; Questions 1-3

OBJECTIVE

To learn about chromatography in the absence of an in-person lab

PROCEDURE

- 1) Set up one KWL chart.

K = What do you KNOW already about chromatography

W = What do you WANT (or need) to know about chromatography

L = What did you LEARN about chromatography

Fill in the K part first. Leave the other columns blank for now.

- 2) Watch the following short videos:

<https://www.youtube.com/watch?v=ByJ6lzD2Vbg>

<https://www.youtube.com/watch?v=ZCzgQXGz9Tg>

- 3) Fill in the rest of the KWL chart.

QUESTIONS

- 1) Why do color bands appear at different positions on the paper?
- 2) Give two practical applications for chromatography.
- 3) Define the variables in the equation $R_f = D_s / D_f$