

Give it some TLC

Pre-lesson assignment – textbook page 506-507

Define the following Key Terms

- Stationary Phase
- Mobile Phase
- Adsorption
- Retention Factor

Make notes on the basics of TLC

1. Given a TLC plate, a sample containing different organic chemicals, and ethanol as a solvent
 - a. Identify the stationary and mobile phases.
 - b. Explain why different chemicals in the sample will separate from each other
 - c. Outline the method used to run the TLC plate.
 - d. Suggest how clear, colourless organic chemicals may be identified.
2. Give a brief overview of how the TLC plate can be interpreted. Include the equation for the calculation of R_f .