

37 R_f values and GLC – Part 2 — Answers

Answers

Work through these after trying the questions yourself.

37.6 $R_f = \text{spot distance} \div \text{solvent distance}$.

37.7 Between 0 and 1.

37.8 Smaller.

37.9 A carrier gas.

37.10 A separated component, at its retention time.

37.11 Substance Y. Its smaller R_f (0.3) means it moved a shorter distance up the plate, which happens when a substance clings more strongly to the stationary phase (and so travels less with the solvent).