

Separating Mixtures

45. The layer having the lower density (water) is on top.

46 a) distillation

b) evaporation + recrystallization

47. a) distillation

b) hand separation ← solvent

c) filtration + gravity separation

d) paper, column or thin-layer chromatography

e) filtration, distillation

48. recrystallization

53. i) filtration (liquids from sand/iron)

ii) magnet (iron from sand)

iii) separatory funnel (water from gas)

iv) distillation (water from dyes)

v) re-dissolve dyes + use

chromatography to separate them

54. i) filtration (liquid from solids)
ii) gravity separation (+ two types of sand)
iii) distillation (methanol from hexanol)

55. i) add alcohol to dissolve naphthalene → distill
filter
ii) add water to dissolve potassium sulphate → distill
filter
iii) calcium carbonate is left

59. a) Physical
b) Chemical
c) chemical
d) chemical
e) physical
f) physical

60 + 61 I will collect for
marks!