

Quantitative equilibrium calculations

▶ [Fundamentals](#)

▶ [Problems](#)

▶ [Exercises for an improved intuitive understanding](#)

▼ [Questions for recapitulation](#)

↓ ● [Question 1](#)

↓ ● **Answer**

↓ ● [Question 2](#)

↓ ● [Answer](#)

● [Good to know](#)

▶ [Minesweeper-problems](#)

Question 1

- What information do you need in order to calculate the
 - a) mass fractions of i in various phases of a system in equilibrium?
 - b) equilibrium concentrations of i in various phases of a system?
- In which situation does a change in the partition constant, K_i , by a factor 10 have little influence on
 - the resulting equilibrium concentrations of i in phase 1 or 2 of a two phase system.
 - the resulting mass distribution of i in phase 1 or 2 of a two phase system.

Answer: See Box 3 in the Script.

