

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 2

In which situation does a change in the volume of one phase 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: If the volume of a phase that originally contained less than 1% of the total compound in the system is changed by a factor 10 in either direction then the new equilibrium concentration will change very little while the mass fraction in this phase will change roughly proportional to the change in volume.

