Qualitative understanding of partition preferences

- Introduction
- Cavity model
- Rules for partitioning
- The cavity model in quantitative terms

Selftest

- Problems
- ↓ 1) Give a qualitative explanation
- ↓ 2) Estimate the extraction efficiency
- ↓ Answer
- ↓ 3) Assign partition constants to substances
- ↓ 🛛 🌔 Answer
- ↓ 0 4) Fuel accident
- ↓ Answer
- ↓ 5) Mixture of similar isomeres ... ?
- ↓ Answer
- ↓ 6) Extraction with pentane or diethyl ether?
- ↓ 7) Prediction of partition constants
- ↓ Answer
- ↓ 8) Assign data to substances
- ↓ Answer
- ↓ 9) Explain saturated vapor pressure
- ↓ 0 10) Apolar surface
- Intermolecular interactions in every day life

FAQ

n-Hexane	20 000 Pa
Hexane-1-ol	110 Pa
1-Chlorhexane	1260 Pa

9) Explain and estimate saturated vapor pressure

- 2. Could you calculate the saturation vapour pressure for 1-chlorhexanol from the given values? Please provide a short explaination for your answer.
- 3. Inbetween which of the values above would you rank the saturation vapour pressure of hexanal?

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hexanal

hexanol

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chlorhexanol

chlorhexan

You can check your answer in the next lesson.



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