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 2) Estimate the extraction efficiency
- Answer
- ↓ 3) Assign partition constants to substances
- ↓ 4) Fuel accident
- ↓ 5) Mixture of similar isomeres ... ?
- ↓ 6) Extraction with pentane or diethyl ether?
- → 7) Prediction of partition constants
- ↓ 8) Assign data to substances
- .l. 🚨 Answei
- ↓ 9) Explain saturated vapor pressure
- ↓ 10) Apolar surface
- Intermolecular interactions in every day life
- FAQ

8) Assign data of saturated vapor pressures to substances

Ouestion:

Assign the following data of saturated vapor pressures at 25°C (15700 Pa, 12600 Pa, 472 Pa, 41 Pa) to the following compounds:

	mol. Volume cm ³ / mol	MW	Vapor pressure / Pa
Butyraldehyde	68	72	15700
2-Butanone	68	72	12600
Anisol	91	108	427
o-Cresol	91	108	41

Check IV.3.4 in the textbook if you do not understand how the vapor pressure relates to the content of this chapter.



