

3.17 Thermodynamic Contacts: Examples for other contacts

- Very fast chemical reactions in an open chamber: volume exchange, no heat exchange
- A semipermeable membrane: constant volume, particle number changes $\Rightarrow$ Osmosis
- System exchanges radiation energy with its surrounding: The earth

This large amount of possible thermodynamic contacts, each with a special name (often several different names for the same contact), confuses many students and scientists which are not strongly involved in thermodynamics. The transformation of thermodynamic contacts will therefore be discussed in detail in the following.