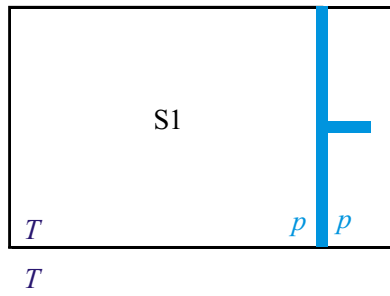


1.10 Thermodynamic Contacts: Temperature and pressure are defined by the surrounding area



S2: The world, a heat bath, ...
 Exchange of heat energy ΔQ
 and pressure work ΔW

Controlled by the system:

- T_1
 - p_1
 - fixed particle number N
- V : volume
 - μ : chemical potential
 - S : entropy

\Rightarrow State(p, N, T)

- Examples:
- Gas a fixed pressure
 - Chemical reactions in an open chamber cooled in a heat bath