Canonical Ensemble: $\{E_i\}$ states

1. probability of being in E_i state: $\mathcal{P}(E_i) = ?$

- - partition function: ?
 β = ?
- 2 average value: /O\ =
- 2. average value: $\langle \mathcal{O} \rangle = ?$
- 3. average energy in terms of \mathcal{Z}