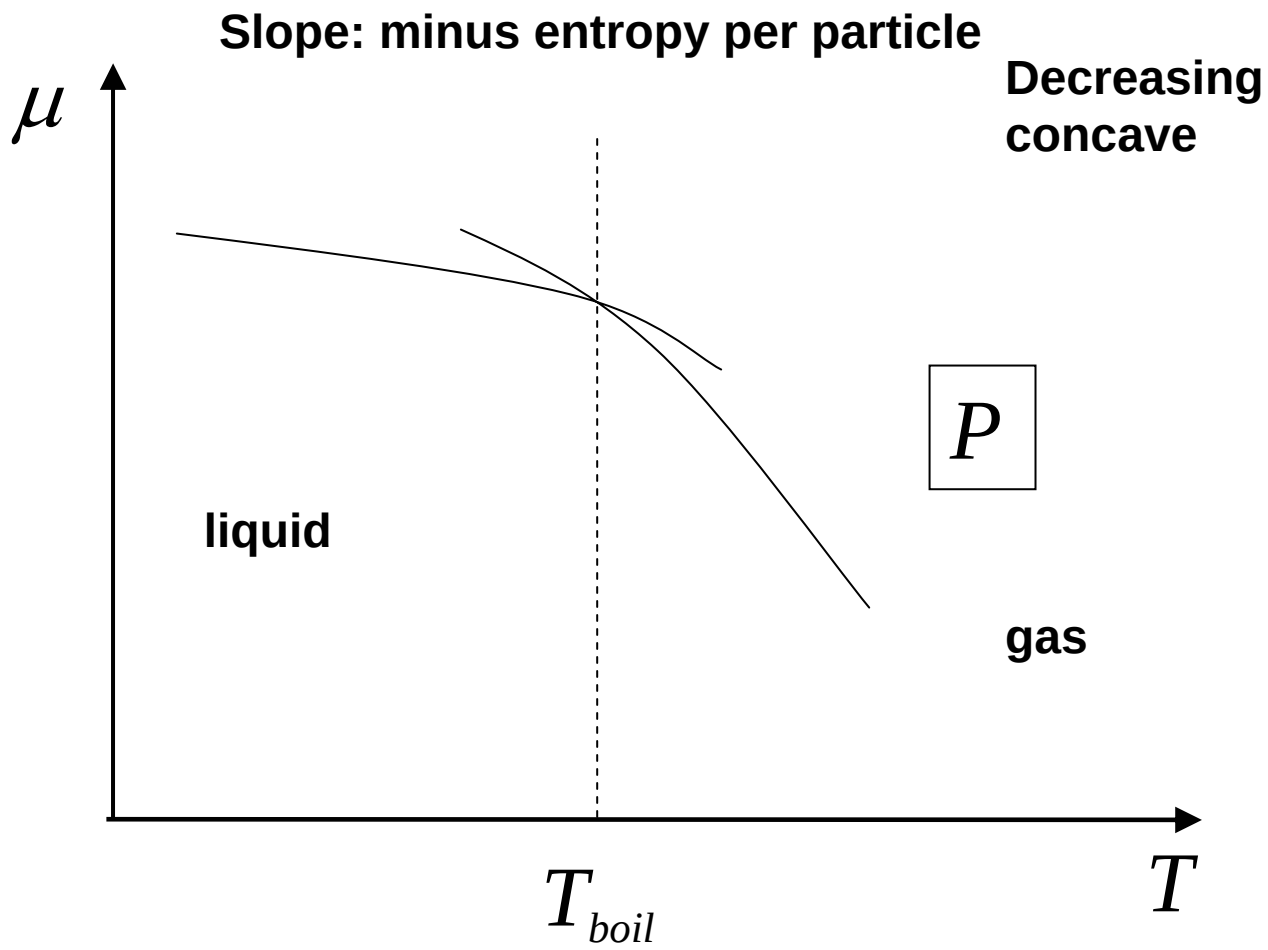
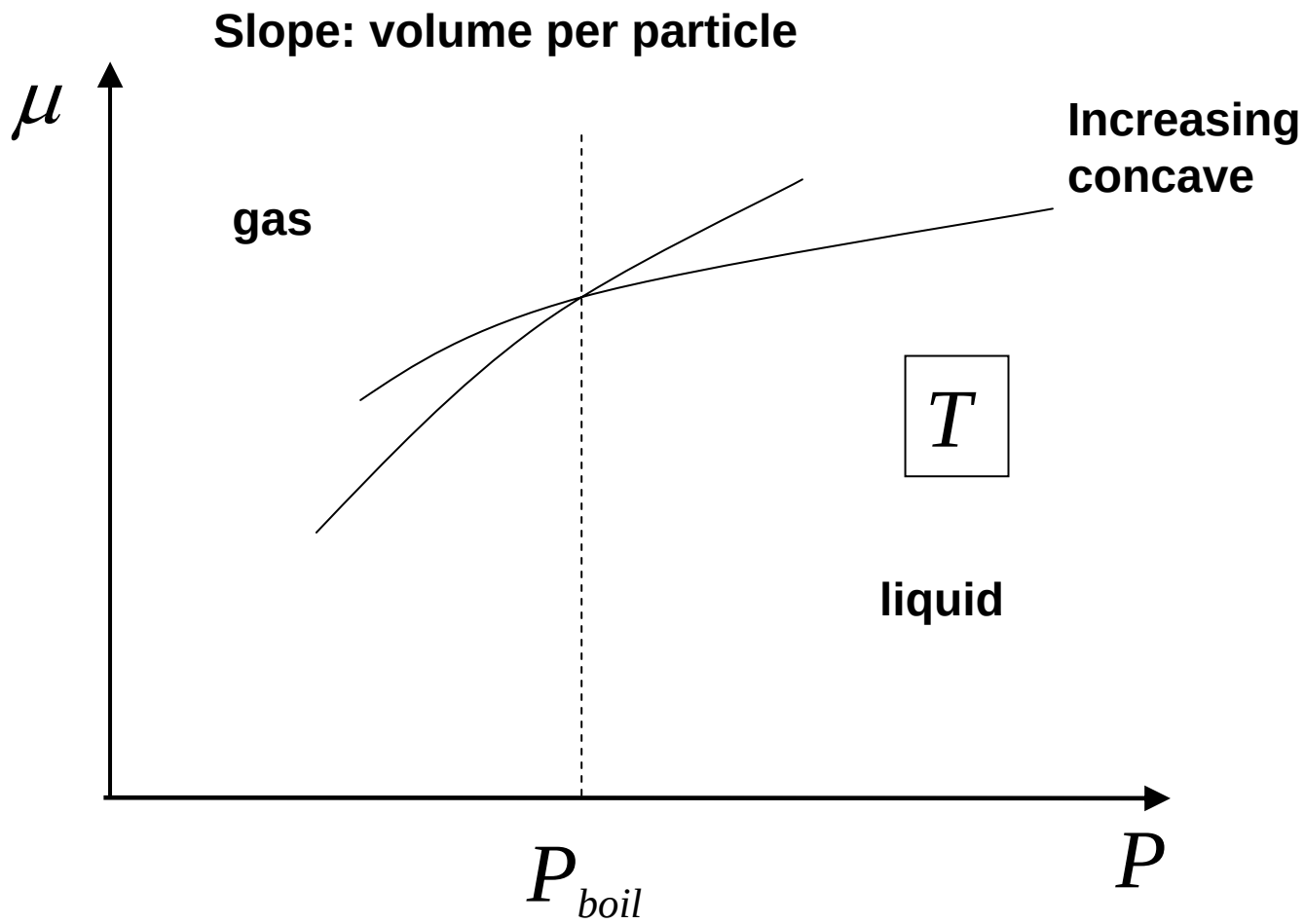
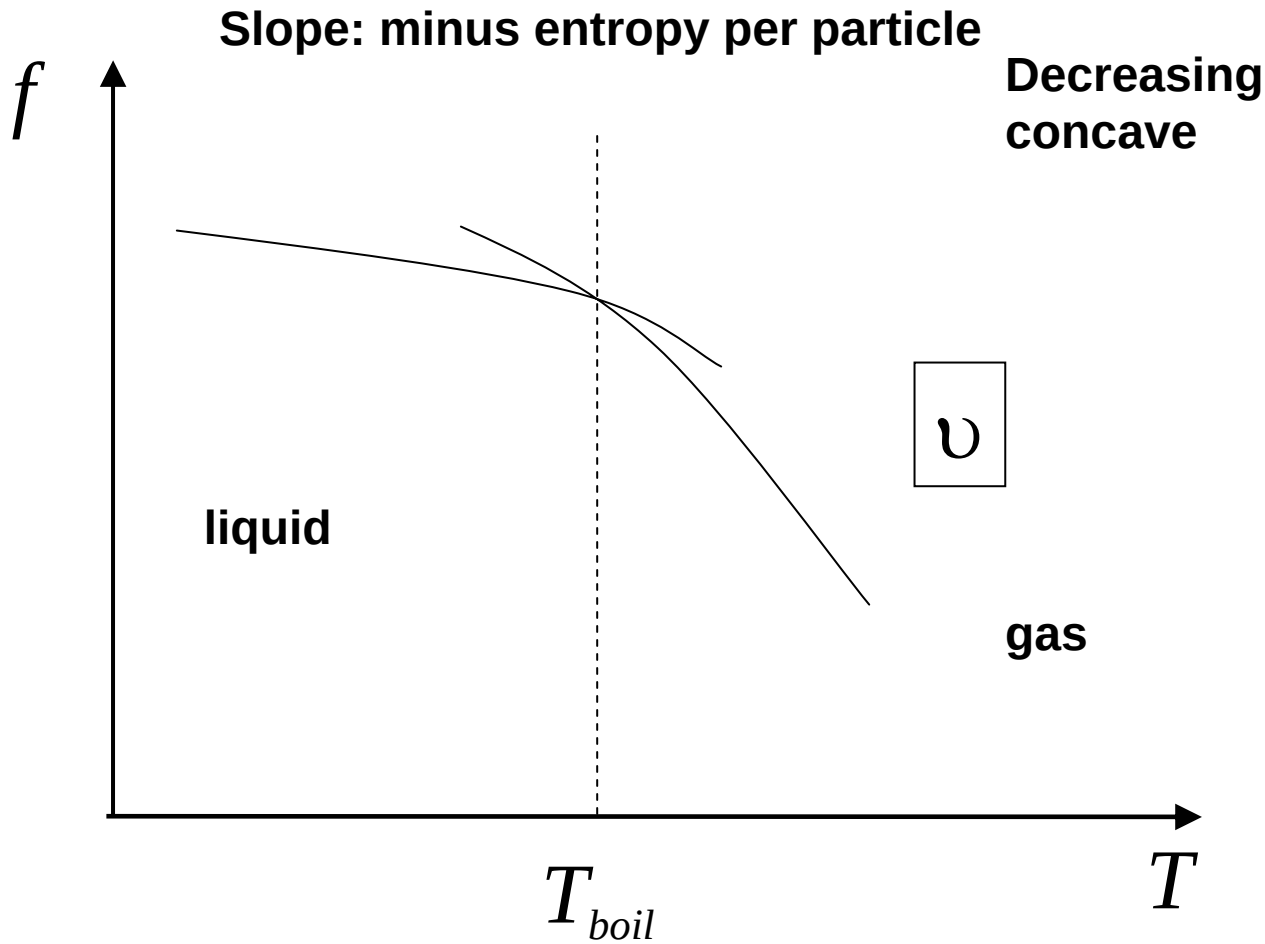
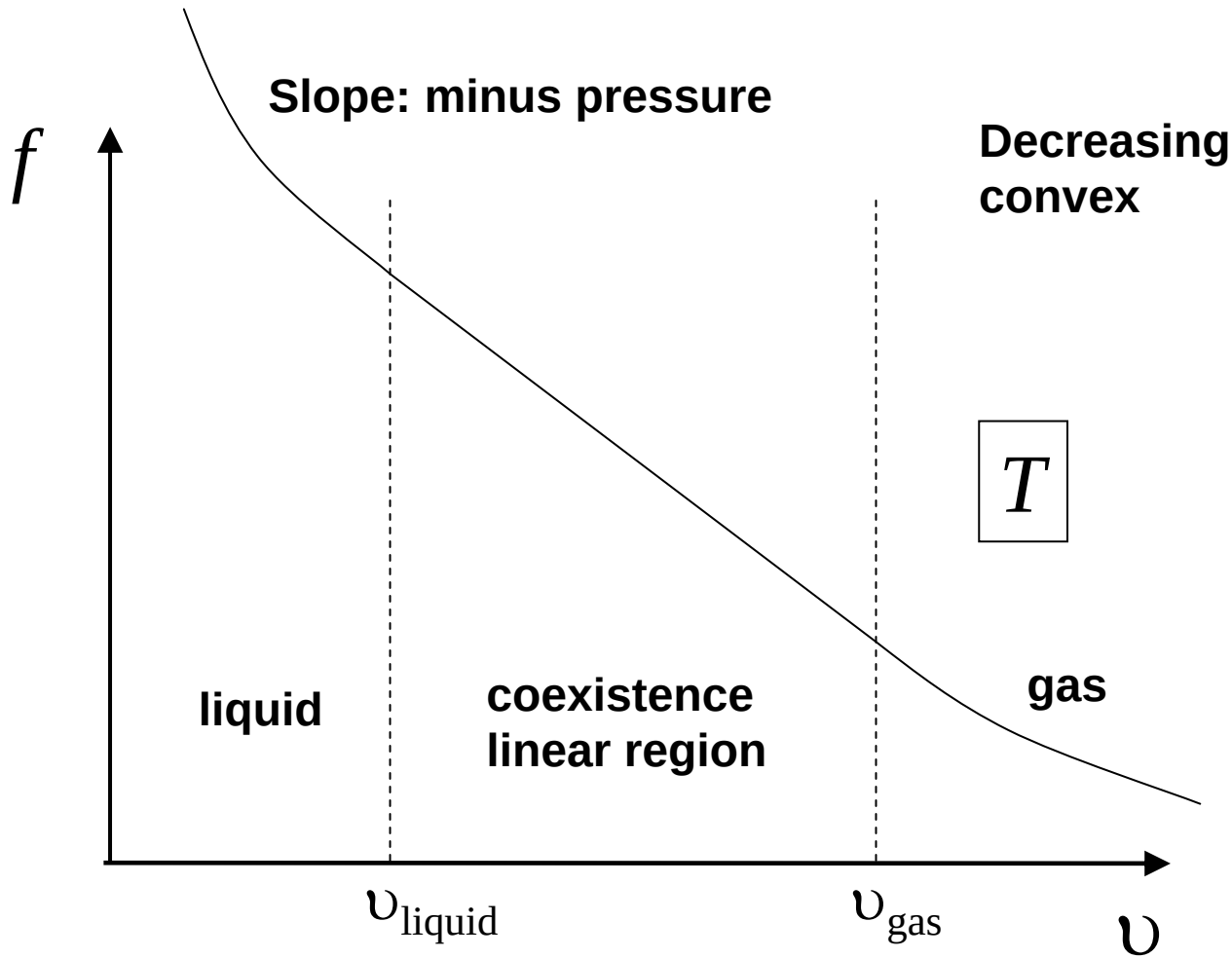
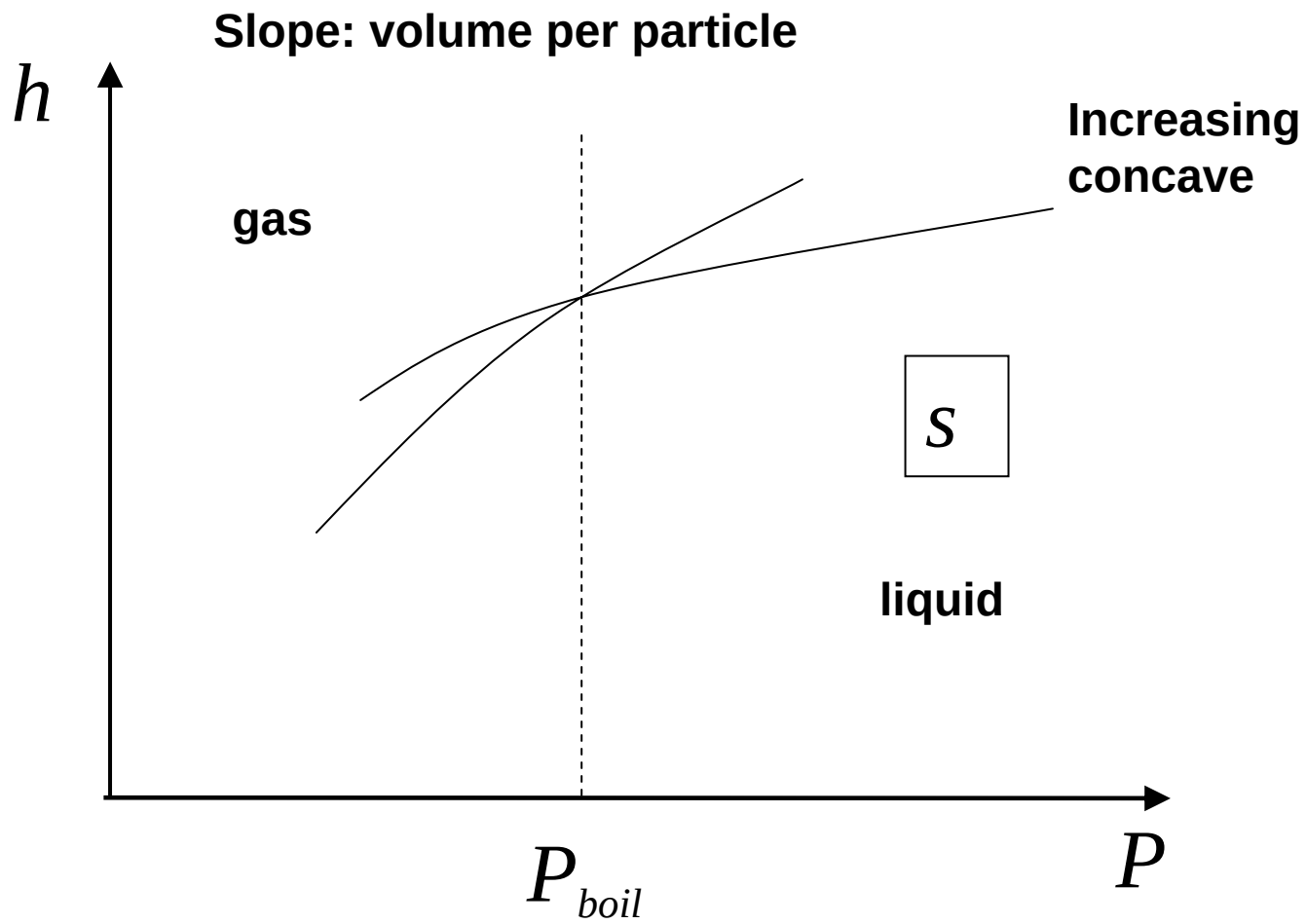
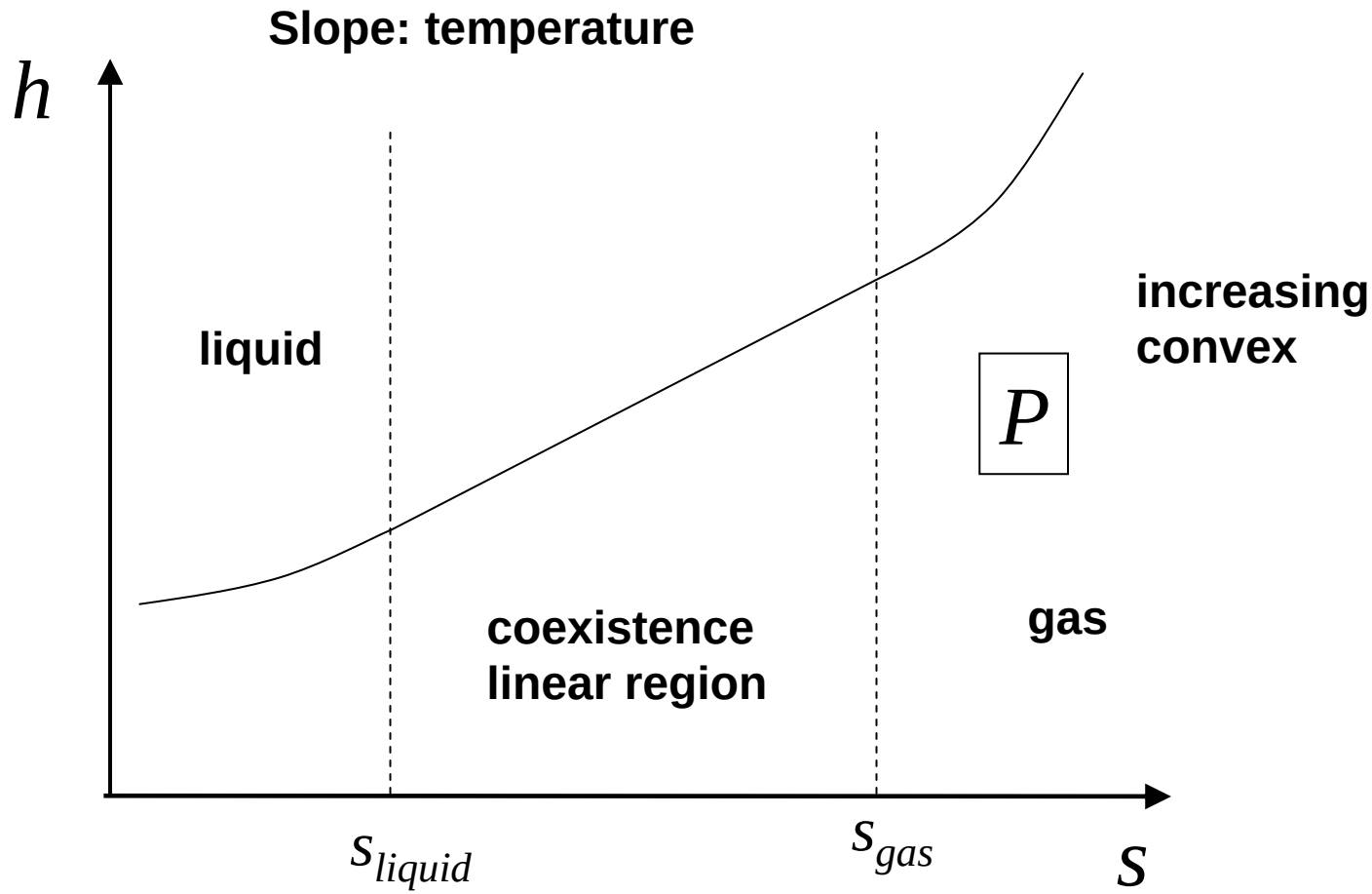

Slope: minus entropy per particle
μ
Decreasing
concave
P
liquid
gas
T_{boil}
T

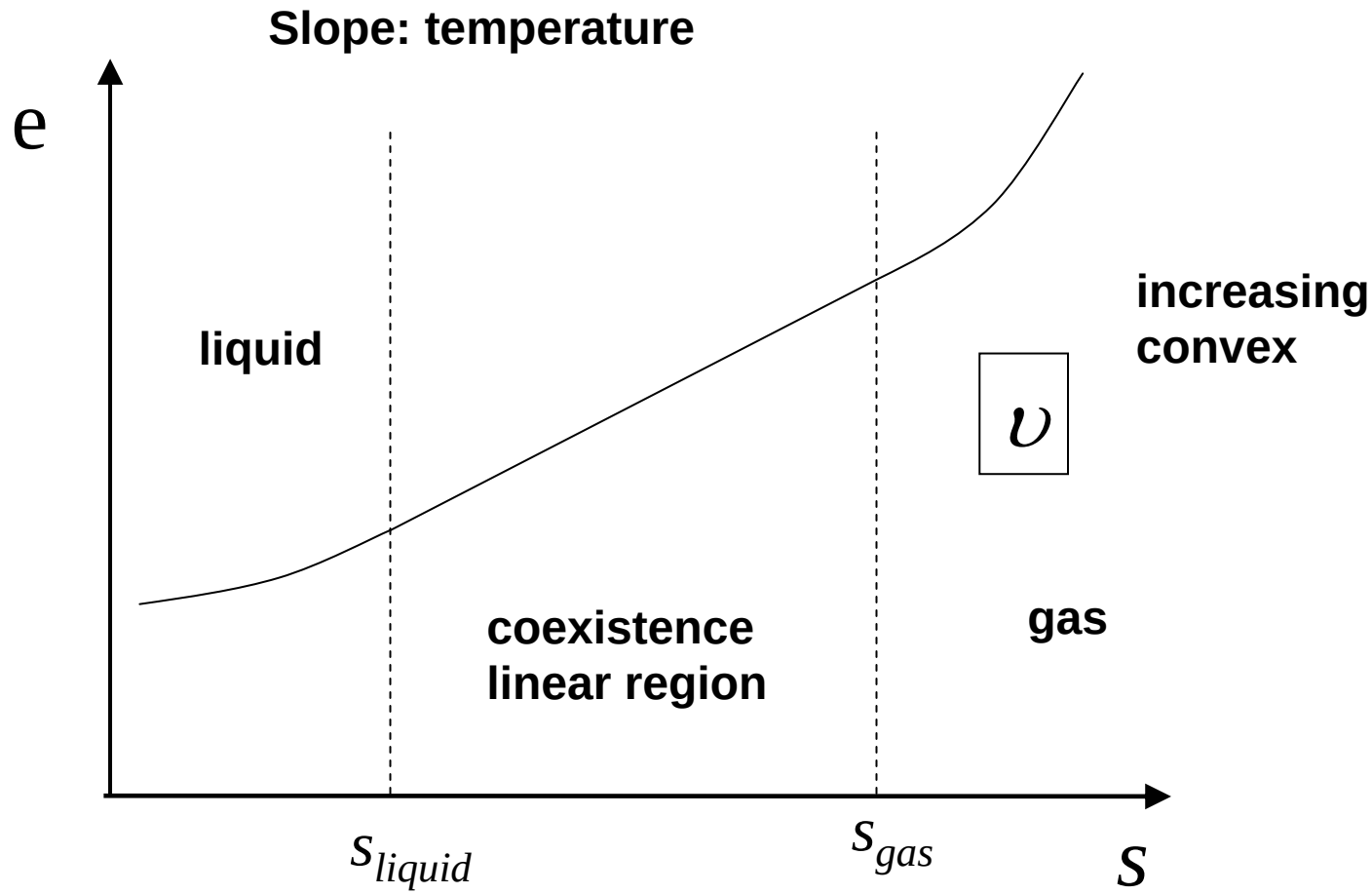

Slope: volume per particle
μ
Increasing
concave
gas
T
liquid
P_{boil}
P

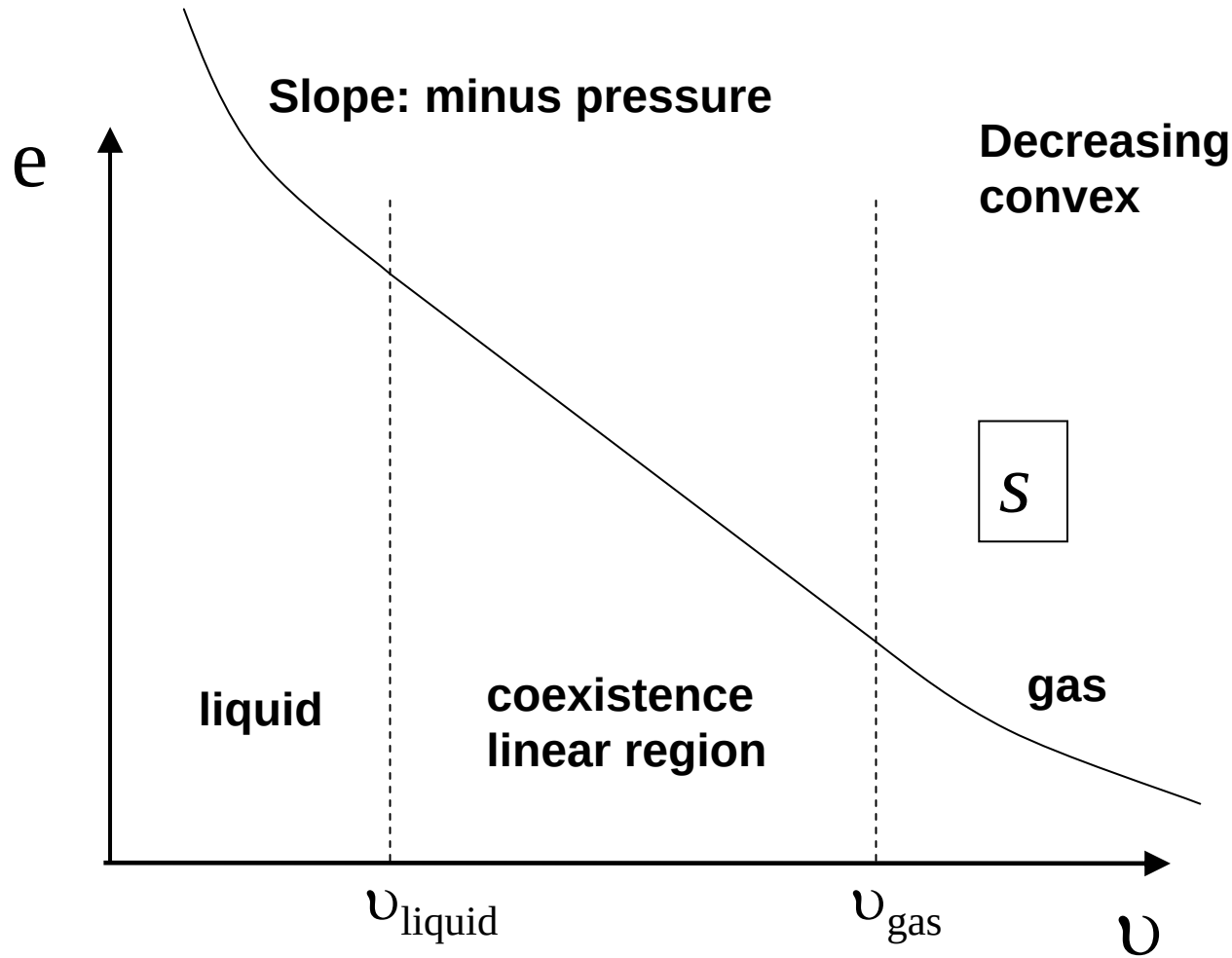

Slope: minus entropy per particle
f
Decreasing
concave
υ
liquid
gas
T_{boil}
T

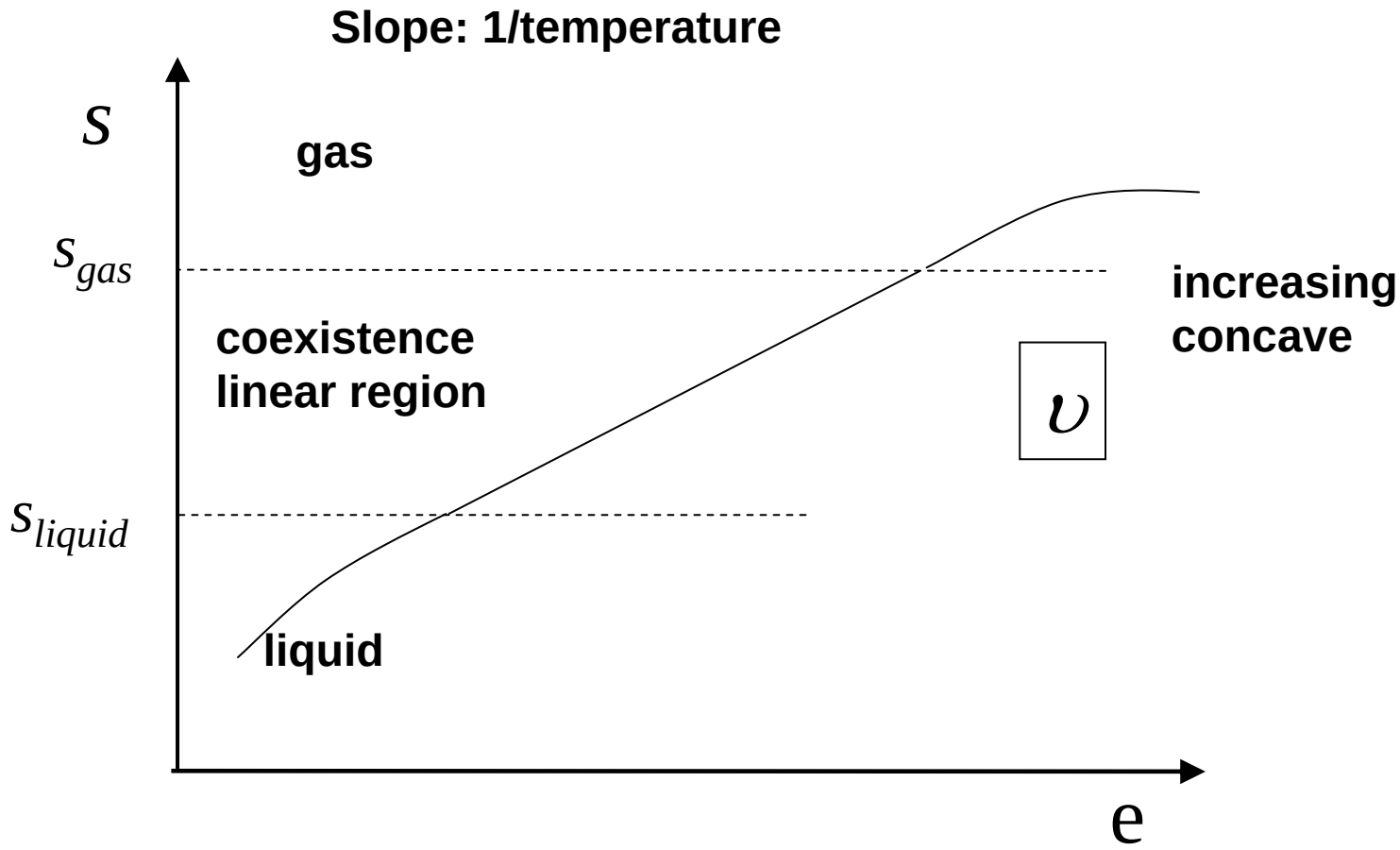

Slope: minus pressure
Decreasing
convex
f
T
liquid
coexistence
linear region
gas
υliquid
υgas
υ

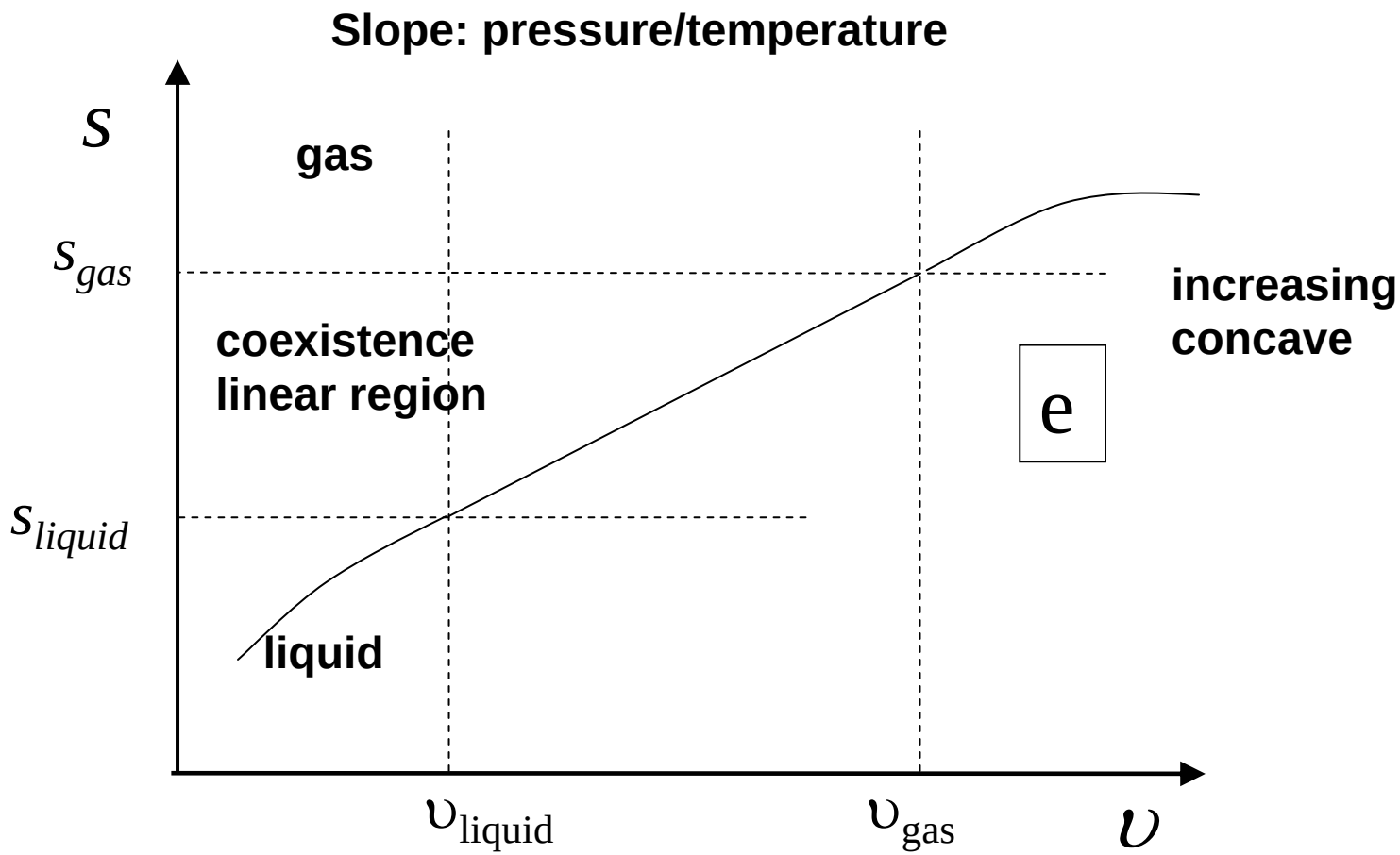

Slope: volume per particle
h
Increasing
concave
gas
S
liquid
P
P boil


Slope: temperature
h
liquid
increasing
convex
P
coexistence
linear region
gas
s_{liquid}
s_{gas}
s


Slope: temperature
e
liquid
coexistence
linear region
gas
increasing
convex
υ
s_{liquid}
s_{gas}
s


Slope: minus pressure
e
Decreasing
convex
S
liquid
coexistence
linear region
gas
υliquid
υgas
υ


Slope: 1/temperature
S
gas
s_{gas}
increasing
concave
coexistence
linear region
υ
s_{liquid}
liquid
e


Slope: pressure/temperature
S
gas
s_{gas}
coexistence
linear region
increasing
concave
e
s_{liquid}
liquid
υ_{liquid}
υ_{gas}
υ