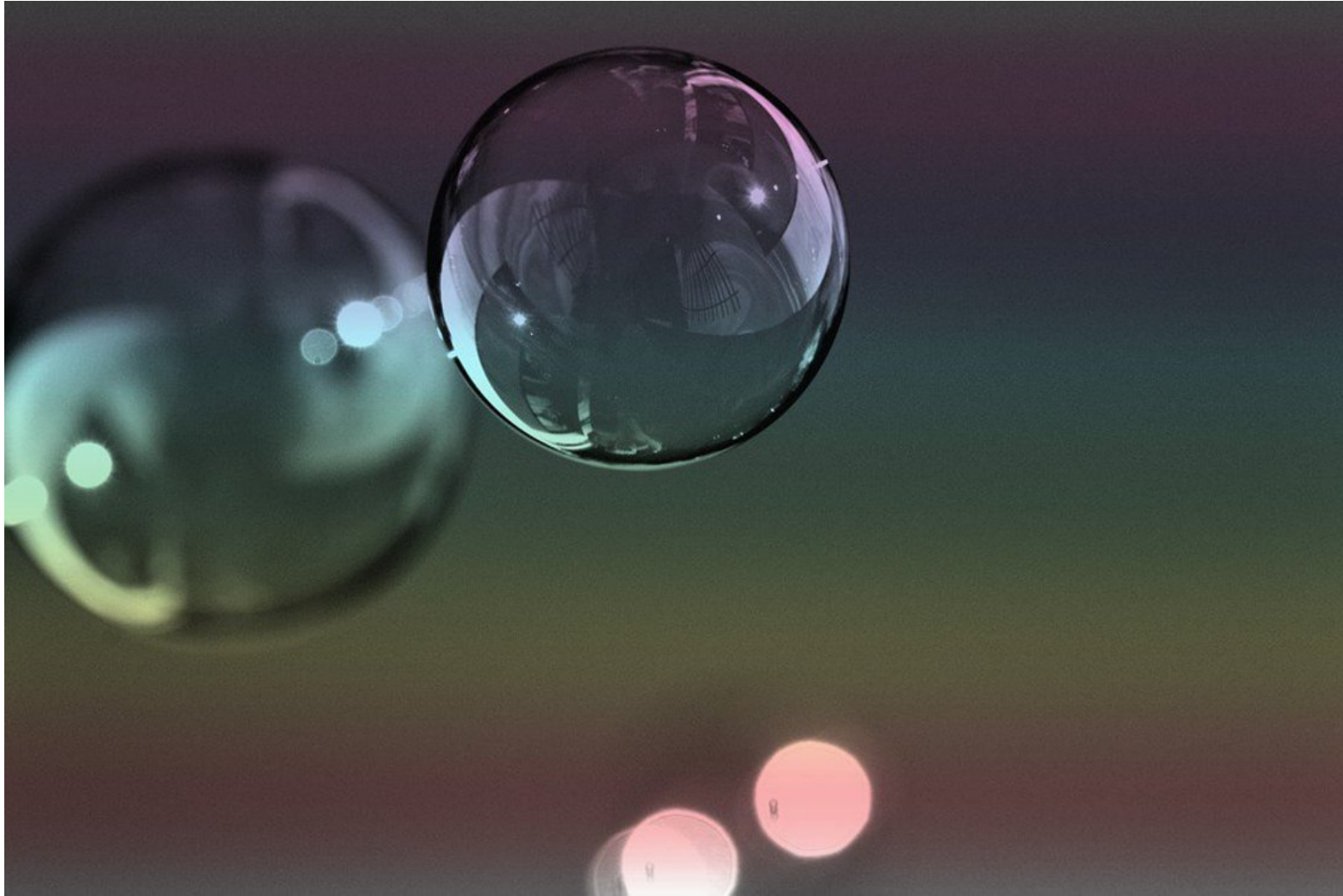


LP 10 – Phénomènes interfaciaux impliquant des fluides

12 décembre 2018

Maria Ubero Gonzalez

Bulle de savon



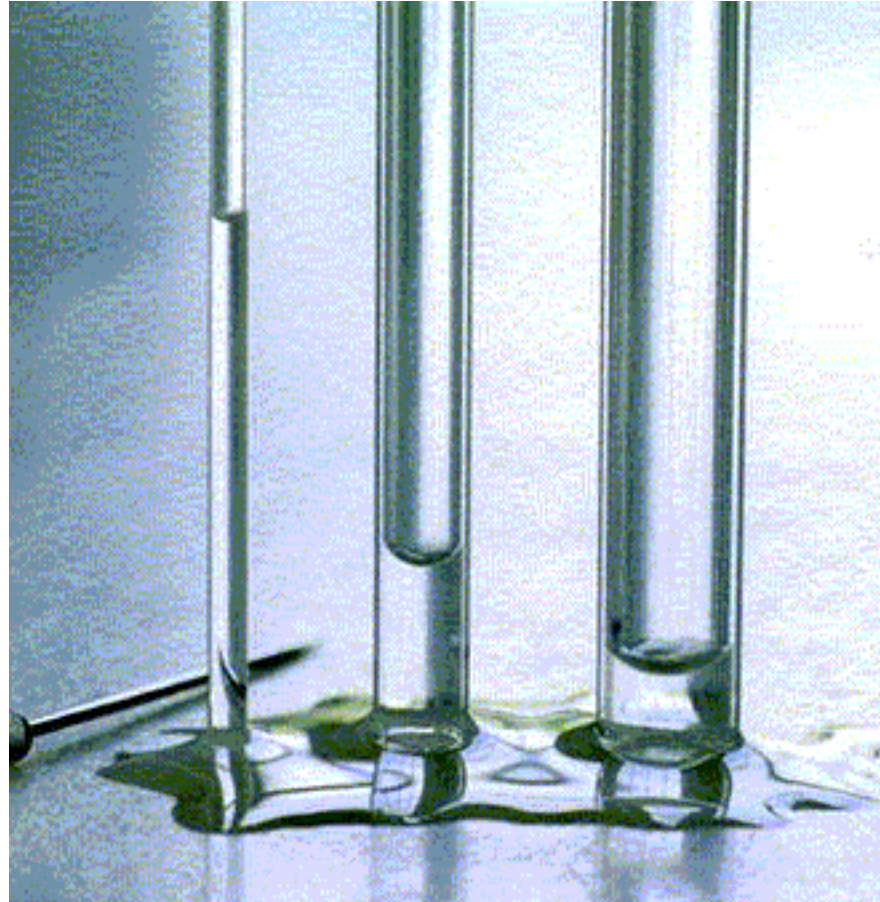
Pare brise



Gouttes de mercure

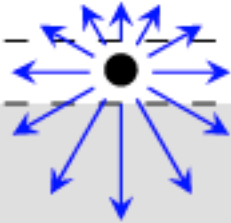


Capillarité/ménisque

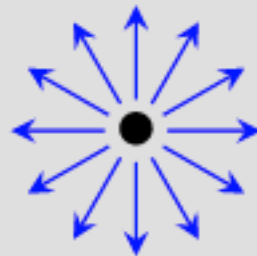




gaz \mathcal{F}_2



interface



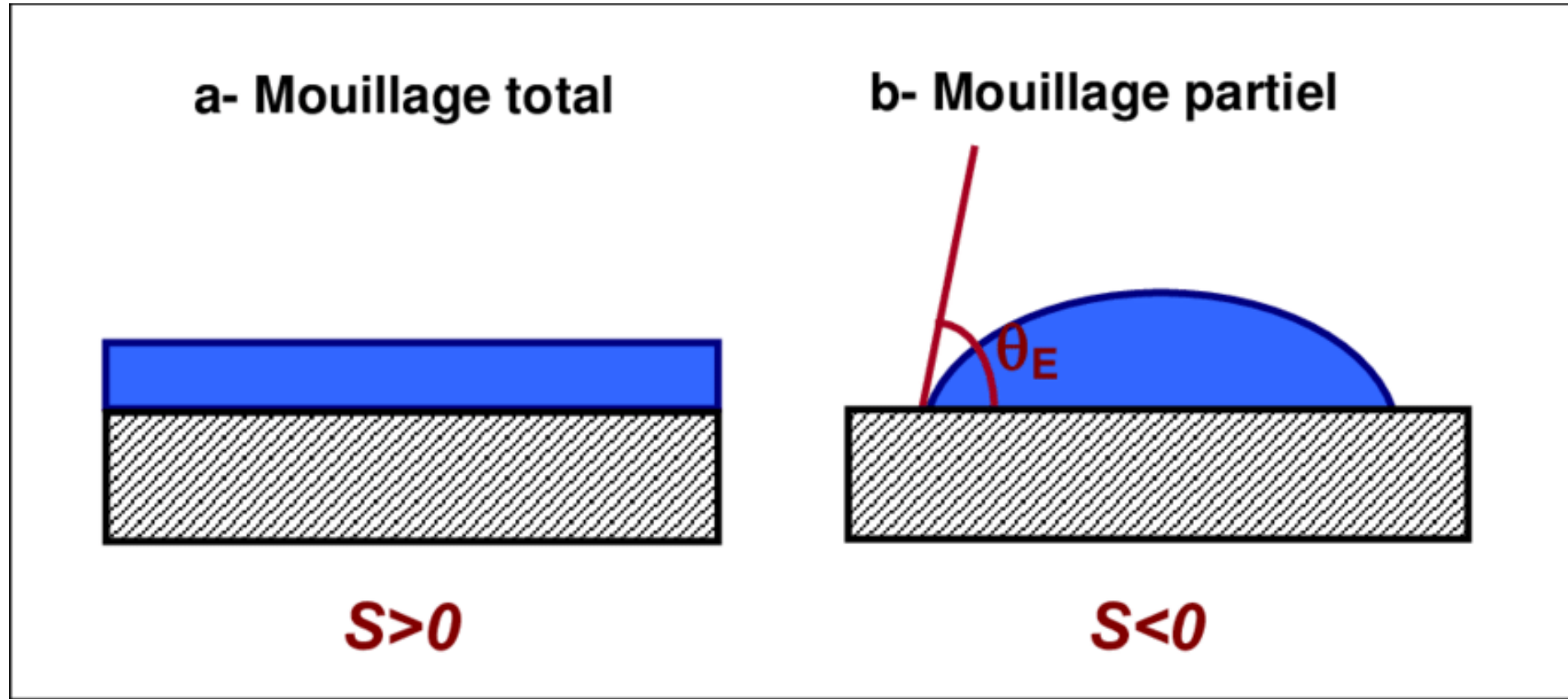
liquide \mathcal{F}_1

Interprétation
microscopique

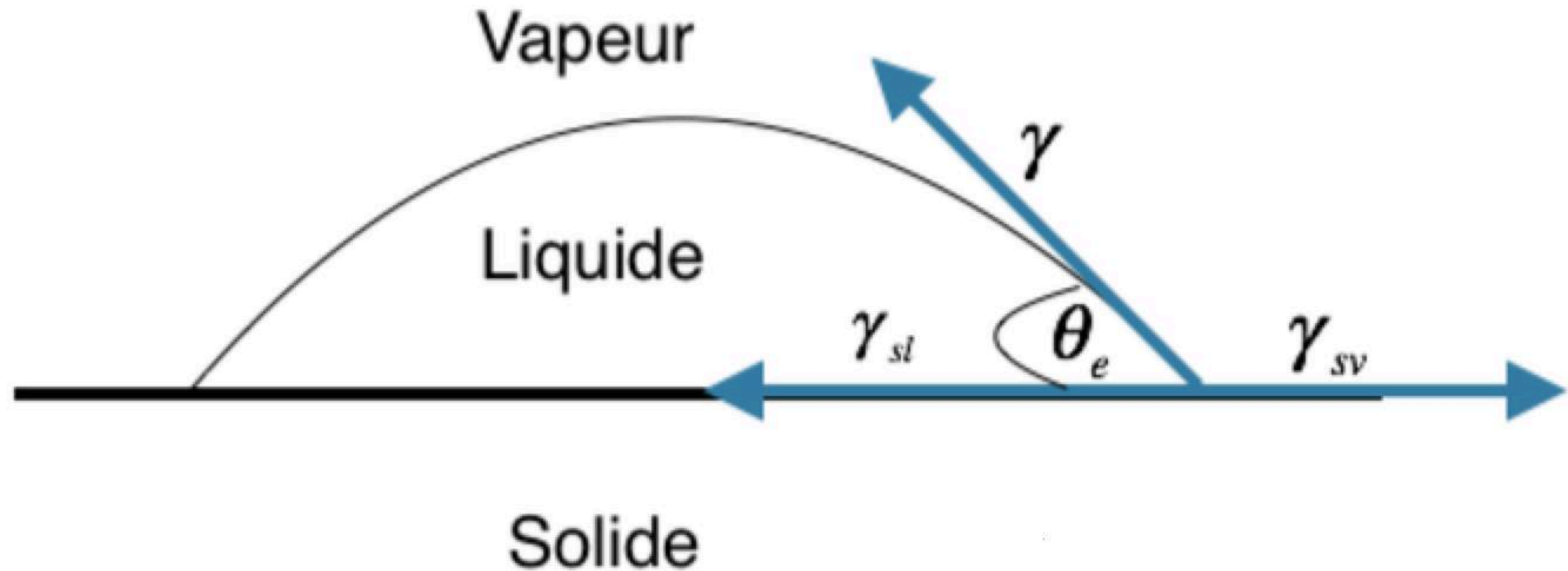
Coefficients de tension superficielle

Corps	Coefficient de tension superficielle γ ($mJ \cdot m^{-2}$)
Eau pure 293 K	73
Eau pure 323 K	68
Eau savonneuse 293 K	25
Glycérine 290 K	65
Mercure 291 K	500
Etain fondu 532 K	526
Plastique 293 K	30 - 50
Verre, métaux 293 K	500 - 5000

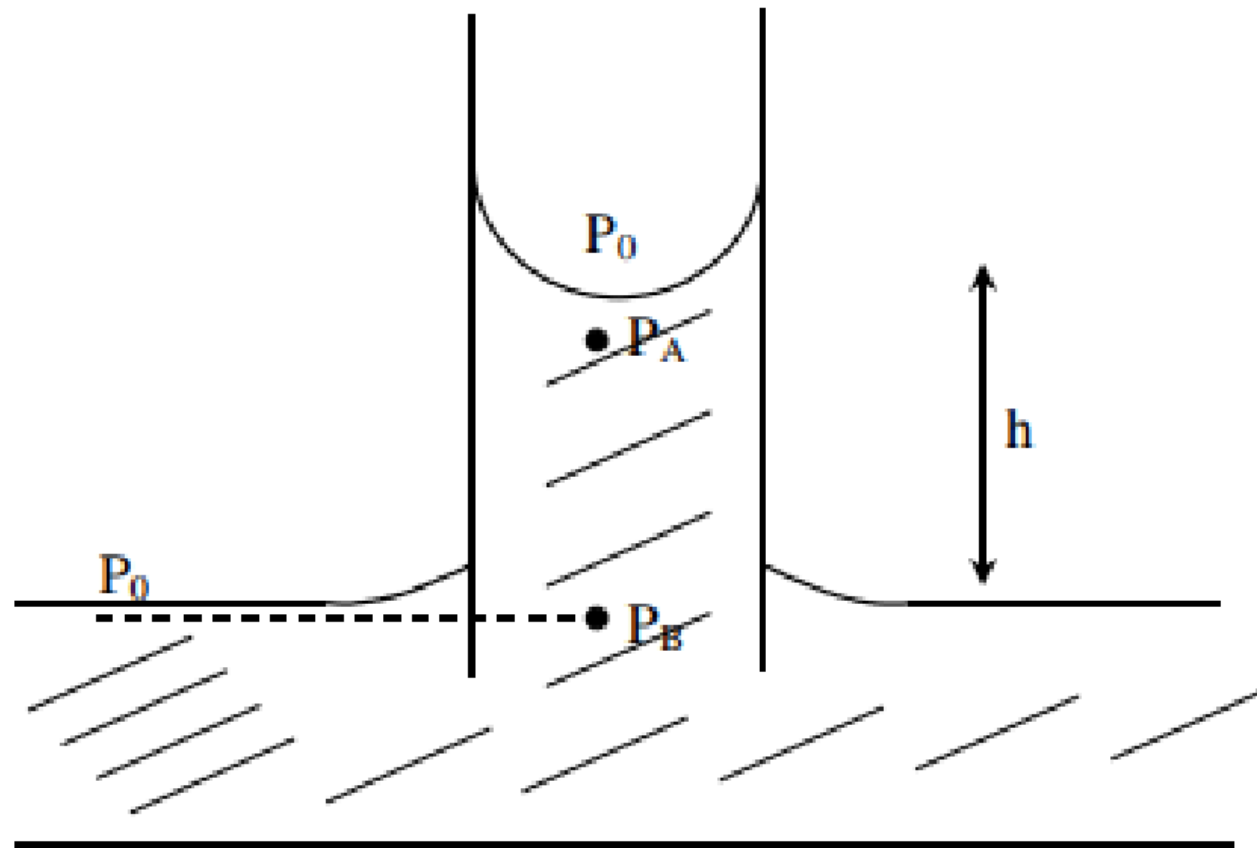
Mouillage



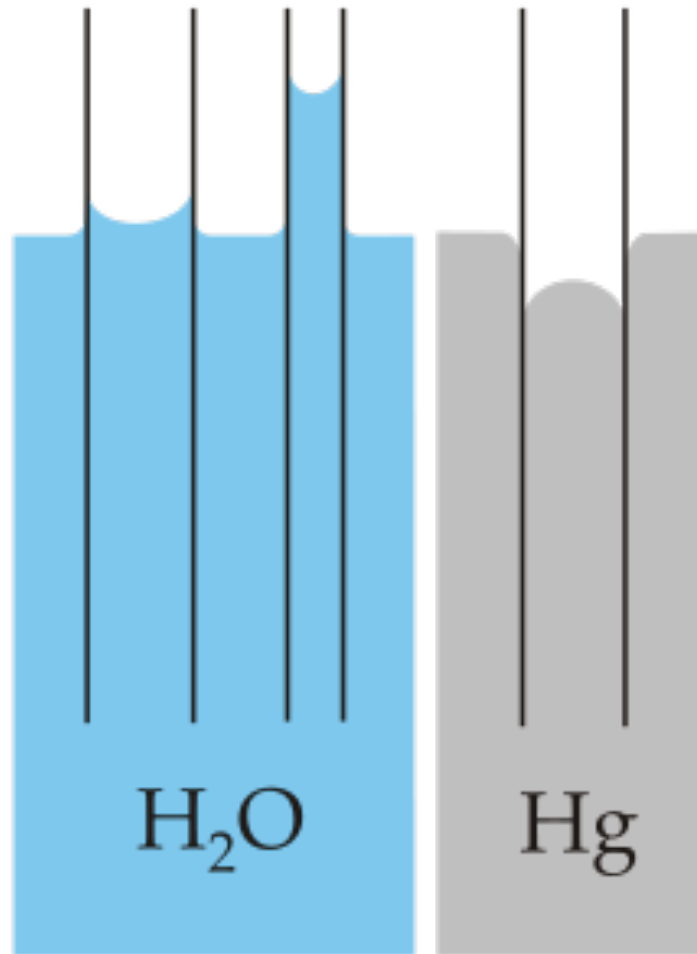
Angle de mouillage



Tube capillaire



Tube capillaire



Conclusion

