

# CONSIDERACIONES TEÓRICAS

$$\dot{M}_{\text{frio}} = \dot{M}_{\text{enf}} - (1 - R - \beta)\Psi$$

$$\dot{M}_{\text{cal}} = -\dot{M}_{\text{enf}} + \beta\Psi$$

Escalas temporales:

$$\tau_{\text{enf}} \propto 1/\Lambda(\rho_{\text{cal}}, T_{\text{cal}}, Z_{\text{cal}})$$

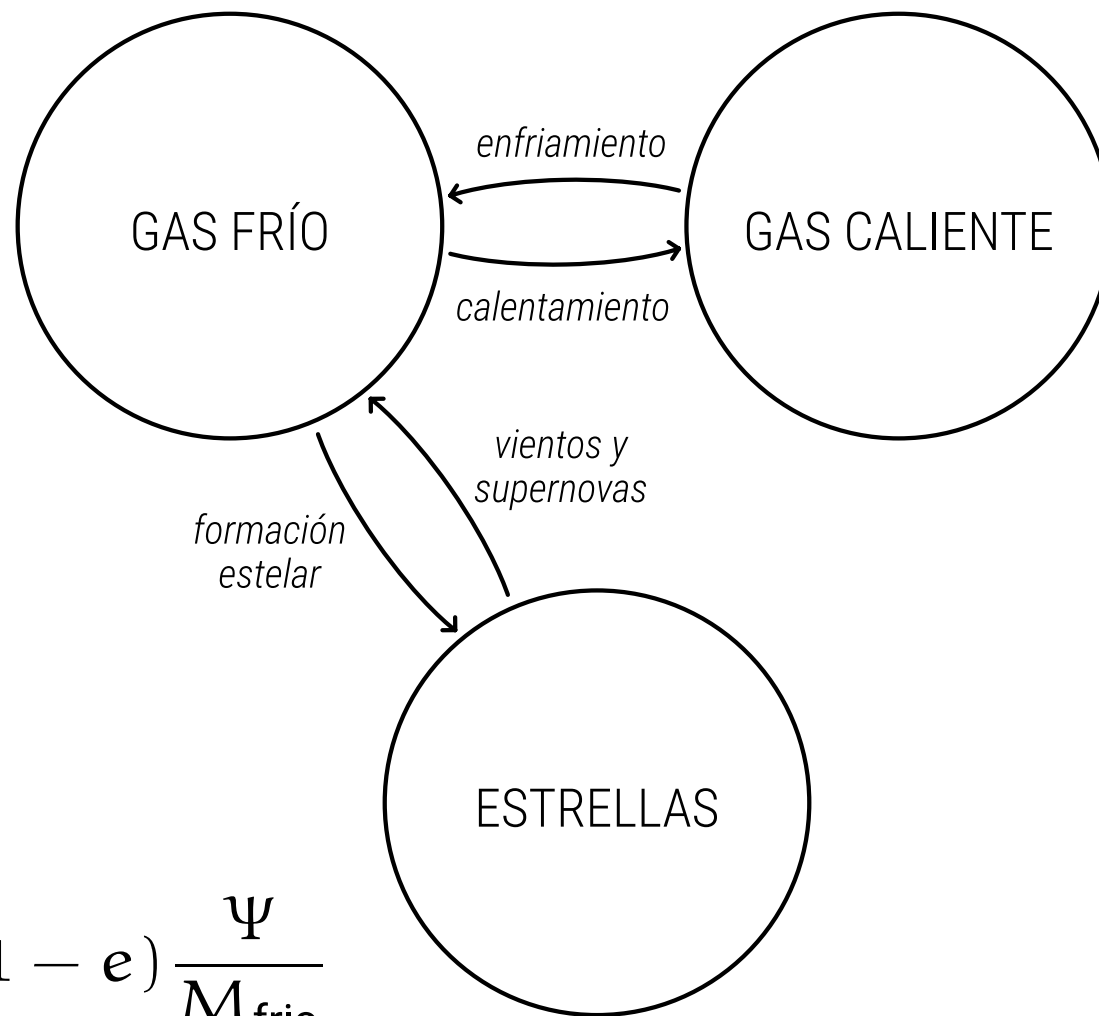
$$\tau_{\text{din}} \propto M_{\text{frio}}/\Psi$$

$$\tau_{\star} \propto 1/F(m_{\star}, Z_{\star})$$

Evolución química:

$$\dot{Z}_{\star} = (1 - R) \frac{\Psi}{M_{\star}} (Z_{\text{frio}} - Z_{\star})$$

$$\dot{Z}_{\text{frio}} = (Z_{\text{cal}} - Z_{\text{frio}}) \frac{\dot{M}_{\text{enf}}}{M_{\text{frio}}} + p(1 - e) \frac{\Psi}{M_{\text{frio}}}$$



$$\dot{M}_{\star} = (1 - R)\Psi$$