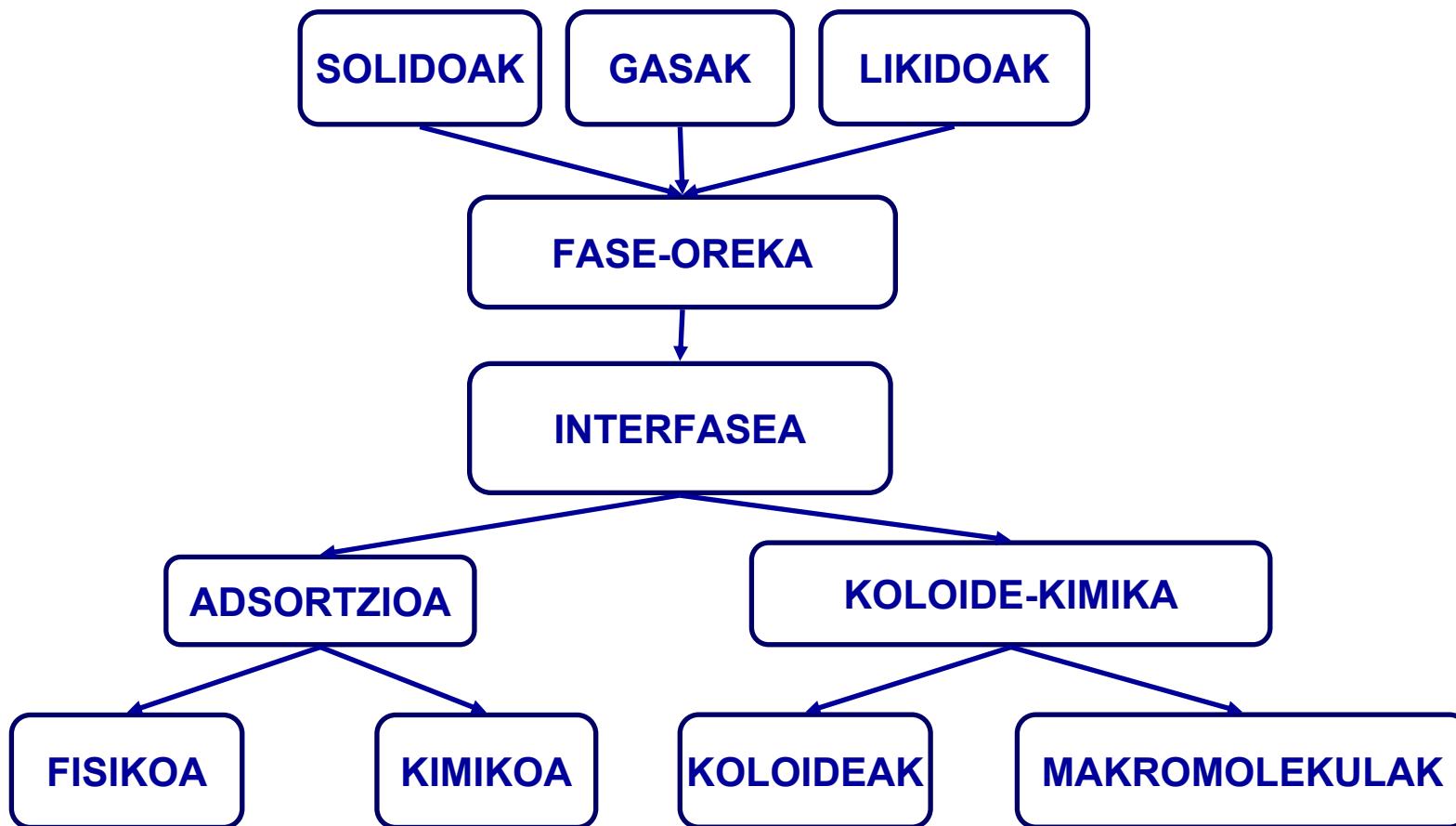
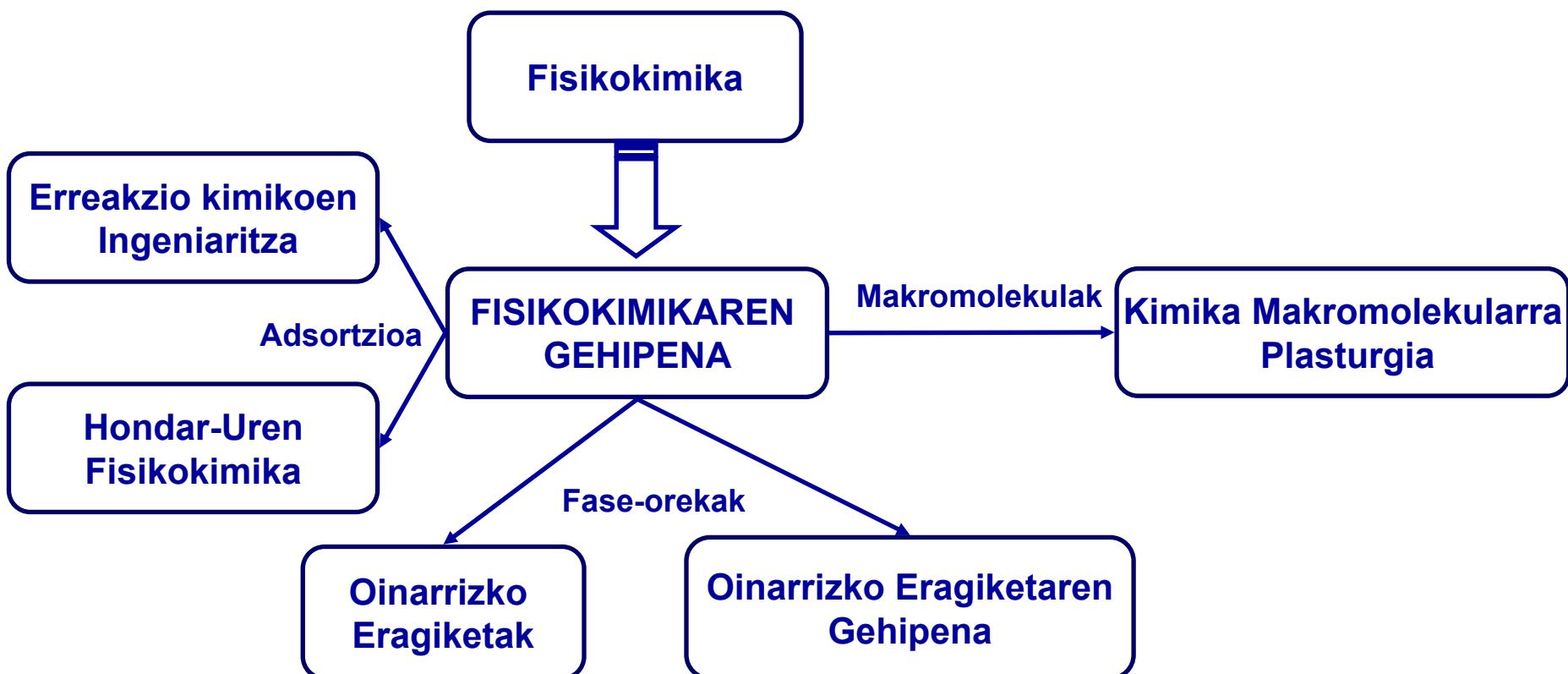


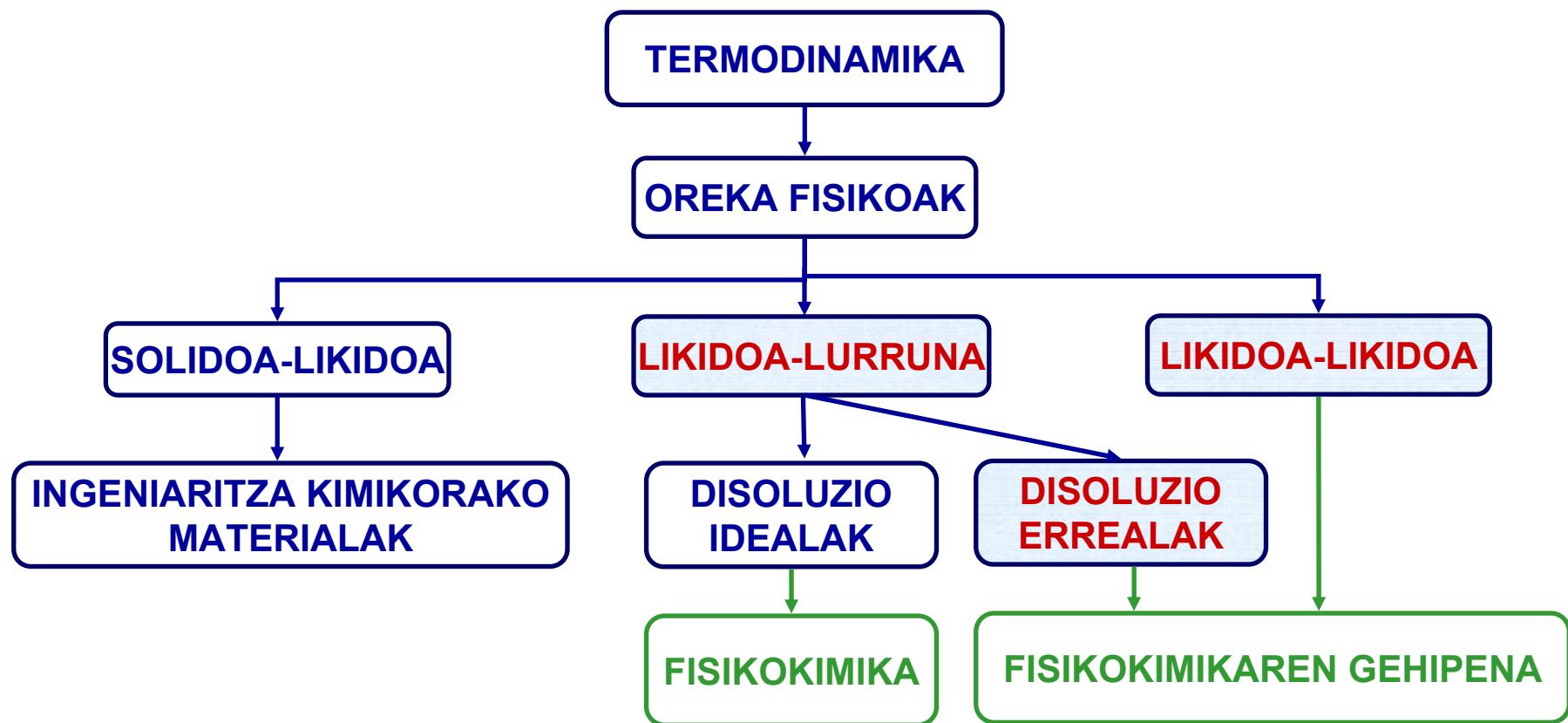
FISIKOKIMIKA GEHIPENAREN PROGRAMA



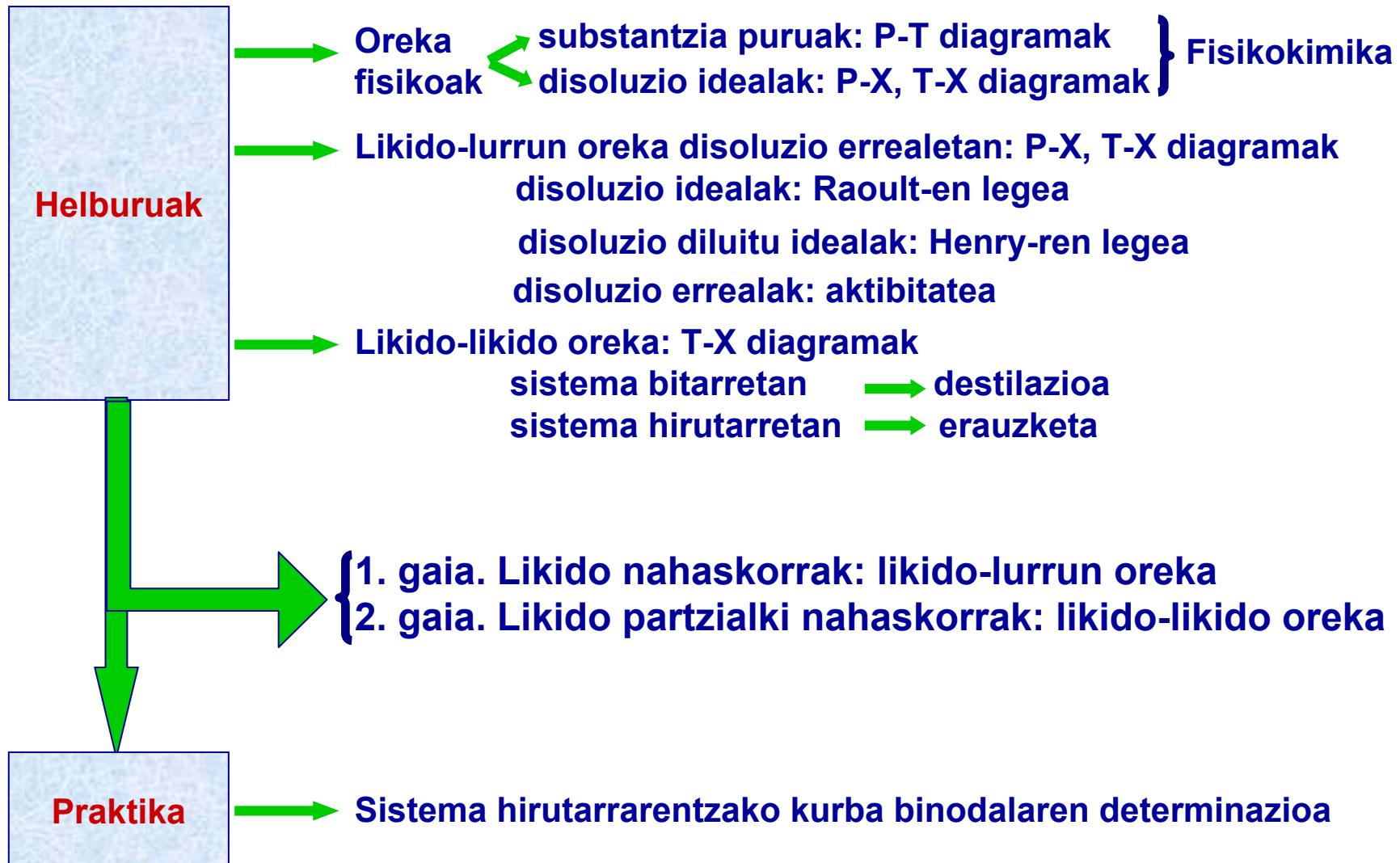
FISIKOKIMIKA GEHIPENAREN PROGRAMA



1. ATALA. LIKIDOAK



1. ATALA. LIKIDOAK



2. ATALA. GAINAZAL-KIMIKA



- Gas-likido interfasea
 - kurbadura: Young–Laplace-ren ekuazioa $\Delta P = \frac{2\gamma}{r}$
 - kapilaritatea: gainazal-tentsioaren neurketa $\gamma = \frac{\rho g h r}{2}$
 - adsortzioa: Gibbs-en isoterna $\Gamma_s = -\frac{d\gamma}{RT d \ln C_s}$
- Gas-solido, likido-solido interfaseak
 - Monogeruzak: Langmuir-en isoterna
 - Multigeruzak: BET isoterna
 - Azalera espezifikoa: katalisi heterogeneoa



- { 3. gaia. Gas-likido interfasea
- 4. gaia. Adsortzioa solidoetan

→ Langmuir-en isotermaren irudikapena

3. ATALA. KOLOIDE-KIMIKAREN SARRERA

