

$$\hat{H}_{KS} = \hat{T}_0 + \hat{V}_H + \hat{V}_{\text{ext}} + \hat{V}_{\text{xc}}$$

$$= -\frac{\hbar^2}{2m_e} \nabla_i^2 + \frac{e^2}{4\pi\epsilon_0} \int \frac{\rho(\mathbf{r}')}{|\mathbf{r}' - \mathbf{r}|} d\mathbf{r}' + V_{\text{ext}} + V_{\text{xc}}$$

classical electrostatic
interactions

Hartree potential

atomic nuclei

exchange–correlation
potential

quantum-mechanical
effects
(are hidden here)

?