











$$+ \; \frac{1}{4\pi\epsilon_0} \; \sum_{i,A}^{\mathsf{N}} \; \frac{-e^2 Z_A}{\left|\vec{r_i} - \vec{R}_A\right|}$$

energy of N electrons in the electric potential provided by a given set of nuclei at  $\overline{R}_{\rm A}$ 

$$+ \frac{1}{4\pi\epsilon_0} \sum_{i,A}^{\mathsf{N}} \frac{-e^2 Z_A}{\left|\vec{r_i} - \vec{R}_A\right|}$$
  
energy of N electrons  
in the electric potential  
provided by  
a given set of nuclei at  $\overline{\mathsf{R}}_{\mathsf{A}}$   
external potential

$$V_{ext}(\vec{r}) = +\frac{1}{4\pi\epsilon_0} \sum_{A} \frac{eZ_A}{\left|\vec{r} - \vec{R}_A\right|}$$
  
electric potential  
provided by  
a given set of nuclei at  $\overline{R}_A$ 

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