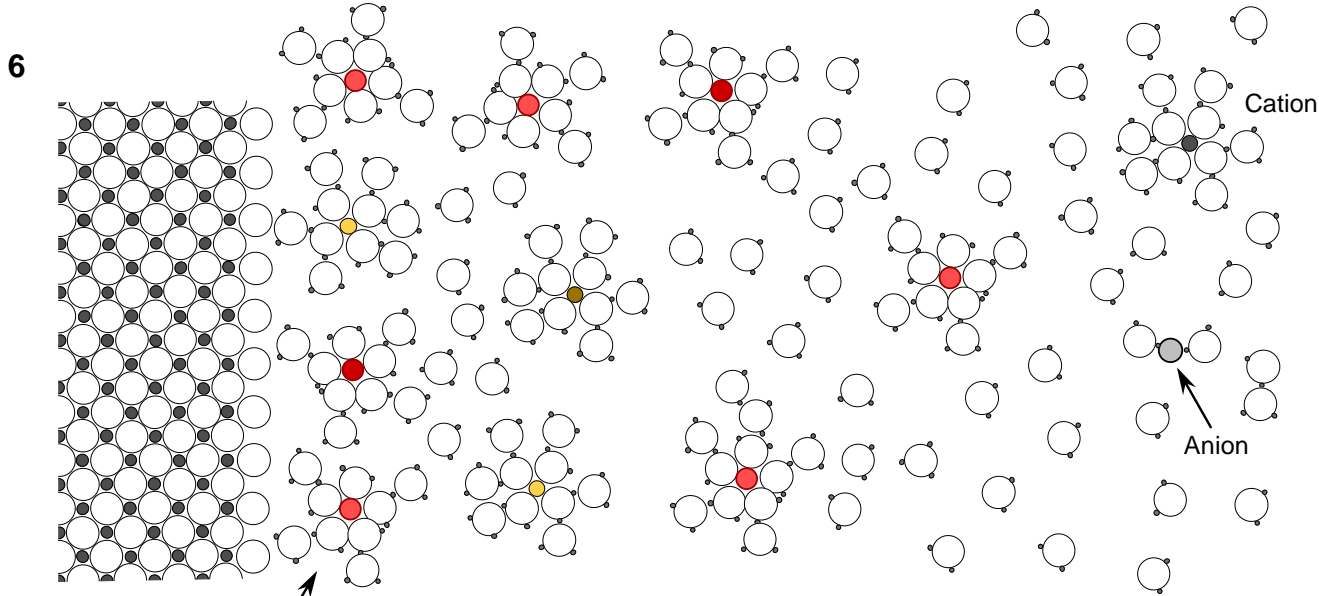


Surfaces, double layers, and adsorption IV: A diffuse layer in the Gouy-Chapman model

As noted in the first page of this series, the model of the double layer developed by Louis Charles Gouy and David Leonard Chapman (~1910) involved a diffuse zone of ions defined by the balance of electrostatic attraction to the

solid surface and diffusion away from that surface. Panel 6 presents a similar model derived from the assumptions of Schindler and Stumm (1987).

A Gouy-Chapman-like model of adsorption



Panel 7 will, in contrast, show a model wherein cations dehydrate to make the O^{2-} ions of the surface part of their inner sphere complex.

