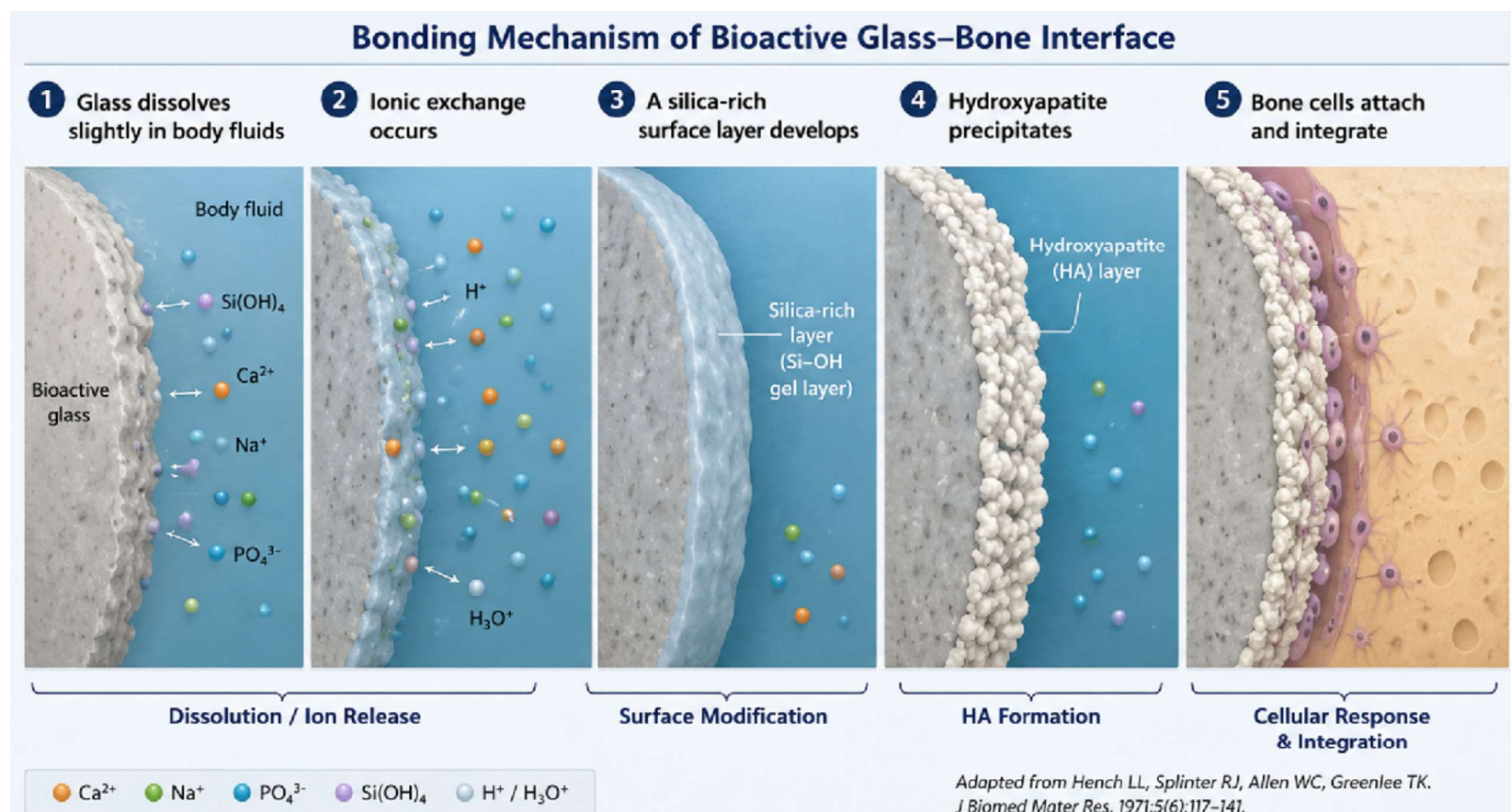


IMPLANTATION TO INTEGRATION

APEX BG+ forms a 3D ultra-porous calcium hydroxyapatite layer in as early as 24 hours — initiating a biologically active surface specifically designed for bone integration.



Upon exposure to physiological fluids, APEX BG+ undergoes ionic exchange at the material surface, initiating a sequence of reactions that results in the formation of a calcium phosphate-rich layer, commonly described as calcium hydroxyapatite (CHA). This surface transformation creates a biologically favorable interface that more closely resembles the mineral phase of native bone.