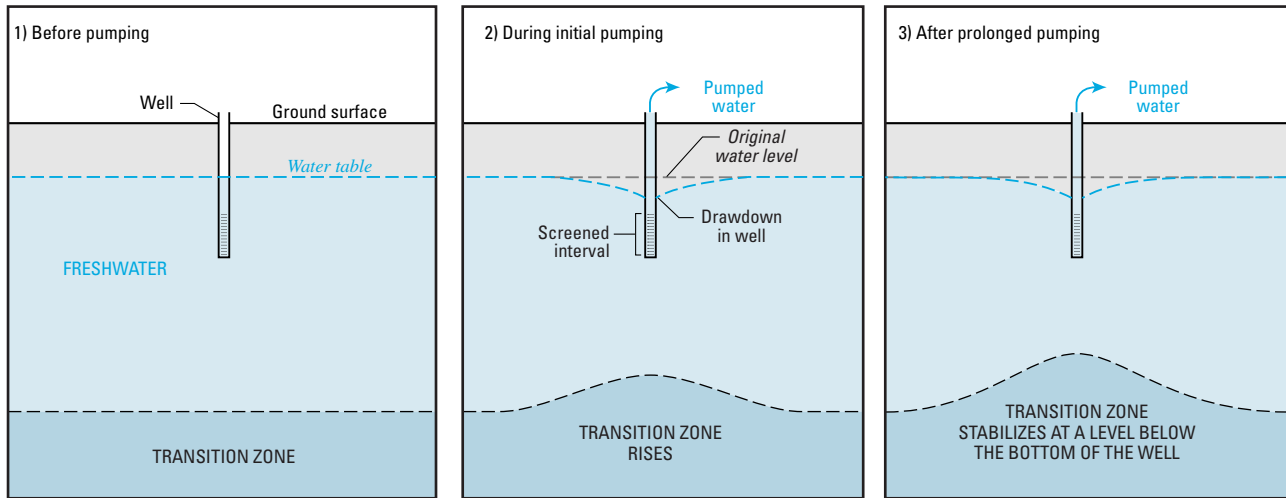
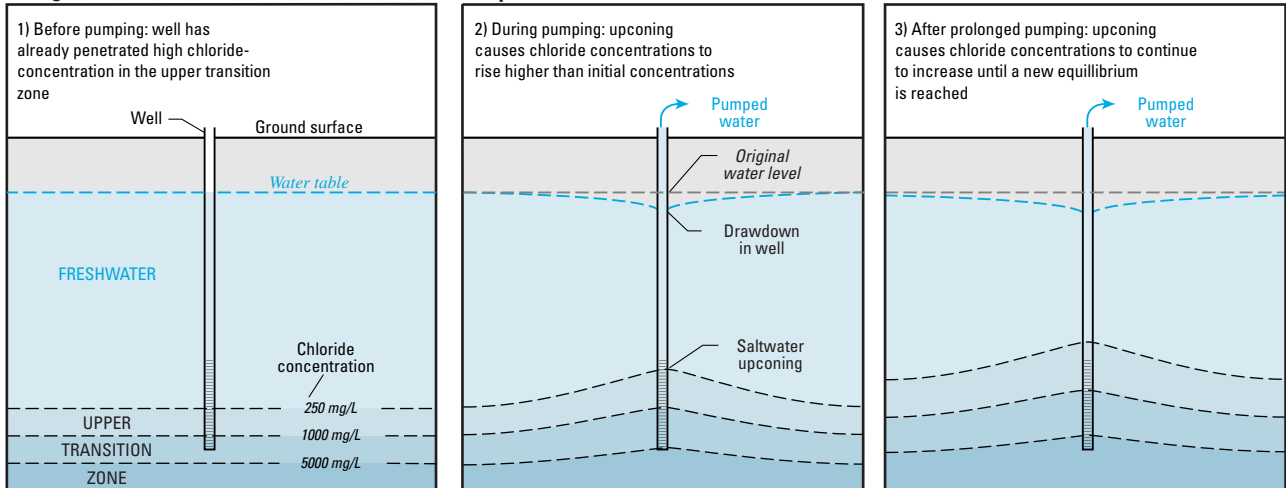


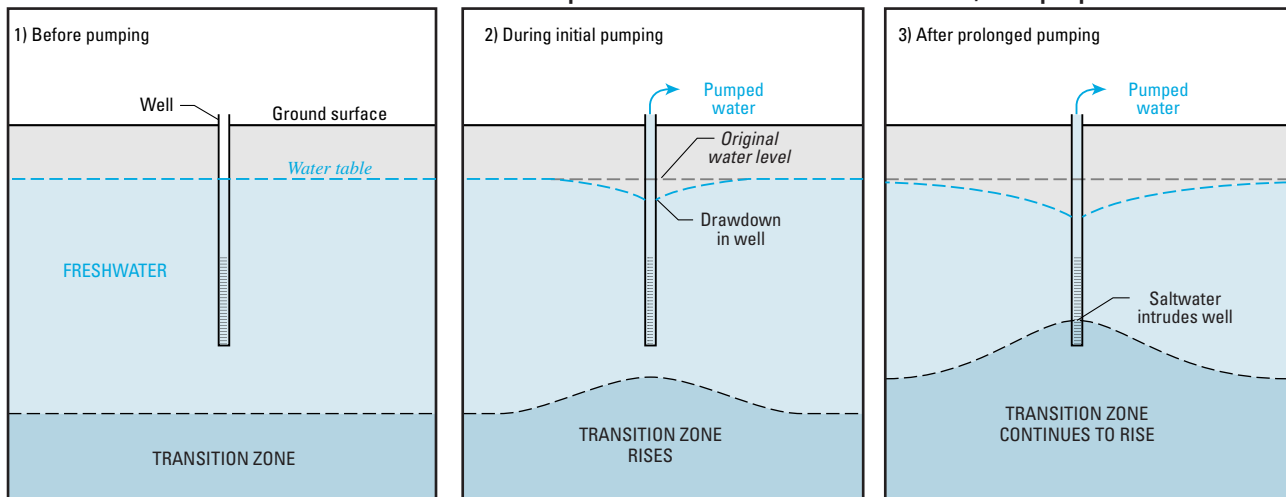
**A. Low chloride concentrations result from a properly developed freshwater lens**



**B. High chloride concentrations result from wells that penetrate into the freshwater-saltwater transition zone**



**C. Chloride concentrations increase over time from wells that penetrate too close to the transition zone and/or are pumped at excessive rates**



**Figure 9.** Diagram showing how (A) low chloride concentrations result from a properly developed freshwater lens, (B) high initial chloride concentrations result from a well that penetrated into the freshwater-saltwater transition zone, and (C) chloride concentrations increase as a result of pumping from a well that penetrates close to the transition zone and/or is pumped at a rate that is excessive given the proximity of the bottom of the well to the transition zone.