So when HIV buds from a cell, it's not in a mature form. Its proteins are actually in a multilinked chain, so protease comes in and cleaves the proteins, in several different places. So the proteins undergo a conformational change. So HIV actually becomes mature, and the life cycle goes on. So when protease is inhibited by a medication called ritonavir in this case it's a protease inhibitor. It binds to the active site in protease, so now it can't cleave the protein, so if it can't cleave the protein then HIV can't become mature and the life cycle is inhibited.