Kestriction Enzymes -Batteria are proparyotes lack well-defined nucleus) but has it as DNA and are found in nucleoid (not enclosed by any membran) The engines were as a defende mechanism against foreign MA bertaind original attacks to broteria From parits own DNA and attaches themselves to the The matching shared the key in virus senables it to inject its viral DNA onto the Insteria they- To destroy this viral DNA, it first labels its own DNA with mothyl groups ential -> methyl groups The tracterial DNA gets methylated with the help of an enzyme called methylare any DNA that is and enables tracteria to recognise methylated (tracterial DNA) and non-nethylated (viral DNA) 3nd Step: This process of recognising methylated & non-mothylated is done by enzymer called Rostrication Enzymes Bacteria's Restriction enzymes cut DNA at specific seapeness. DNA because ets methylated Therefore, any unmethylated DNA (viral DNA) gets cut and degraded till its destroyed. By this process/system, bacteria's gentile material disprotected while destroying foreign DNA. Restriction Enzymes are called Molecular Scissors Every restriction enzyme recognises a specific funique sequence and makes a cut at the same specific point.