

# Download Restriction Enzyme Cleavage Of Dna Student Guide

Preparation of DNA for traditional cloning methods is dependent upon restriction enzyme digestion to generate compatible ends capable of being ligated together. Get tips for restriction enzyme digestion close to the ends of DNA fragments, including a selection chart and videos. DNA is a long polymer made from repeating units called nucleotides. The structure of DNA is dynamic along its length, being capable of coiling into tight loops and other shapes. In all species it is composed of two helical chains, bound to each other by hydrogen bonds. Both chains are coiled around the same axis, and have the same pitch of 34 ångströms (3.4 nanometres). Cloning is the process of producing genetically identical individuals of an organism either naturally or artificially. In nature, many organisms produce clones through asexual reproduction. Cloning in biotechnology refers to the process of creating clones of organisms or copies of cells or DNA fragments (molecular cloning). Beyond biology, the term refers to the production of multiple copies of ...