classmate Haemophilus: It is a bacteria commonly found in respiratory trad The restriction enzyme here is Hind III Source: Bacillas any themophilus influenzae Rd In Hinglit: Rd - Rd strain HindIII is used for DNA slicing at AAGO COT OR TTCGAA Like Foo RI, Hind III is also a Type 2 restriction enzyme It can read polindromic sequence DNA (AAGCTT) PAGCTT (DNA slicing takes place bet A & A on both strands) Template strand > AAGCTT Complementary strand > TTCGAA AMAGETT X SICE TICGA + AMGETT A Hind III enzyme can only read & slice AAG CTT sequence if the foreign DNA has this same sequence. AGCTA AGCTA

the the wacky and here are A and A A can't pour with A y

In order for suscendinant to take place, the fragment's

lenglate be conglementary strong stronger its

DNA seapence to allow pairing bet A & T Therefore, after nearrangement: ALICETY COOL Therefore, we have AAGCTAA.... TTCGAA 2 "AA" & "TT" represents DNA sequence that Hind III recognises and cuts. This sequence is preserved when fragments recombine It does not regresent entra bases. It is simply part of DNA structure & symmetry around HindIII recognition site. After this, semilar groces take place where it is de fragmented & degraded till its destroyed