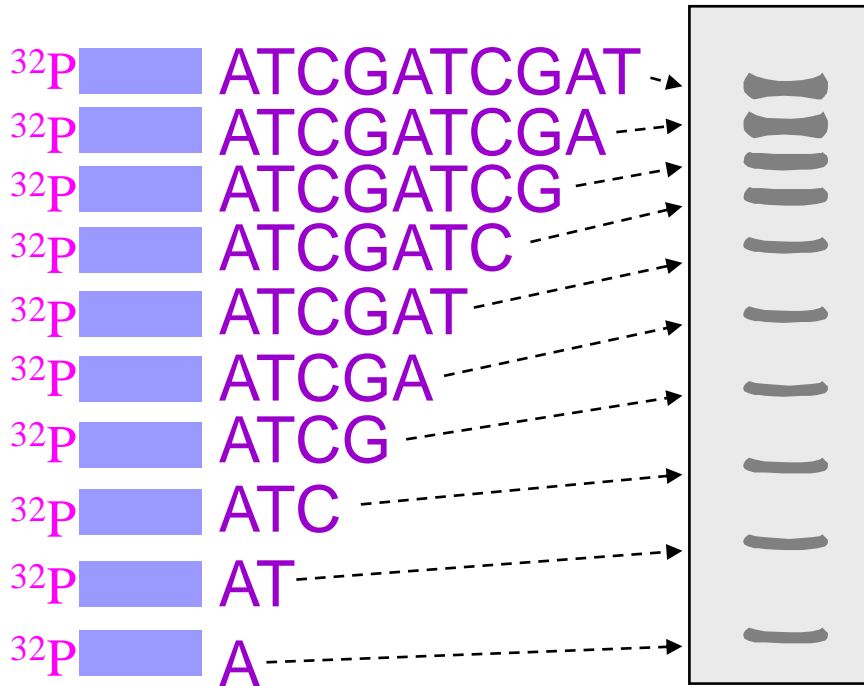


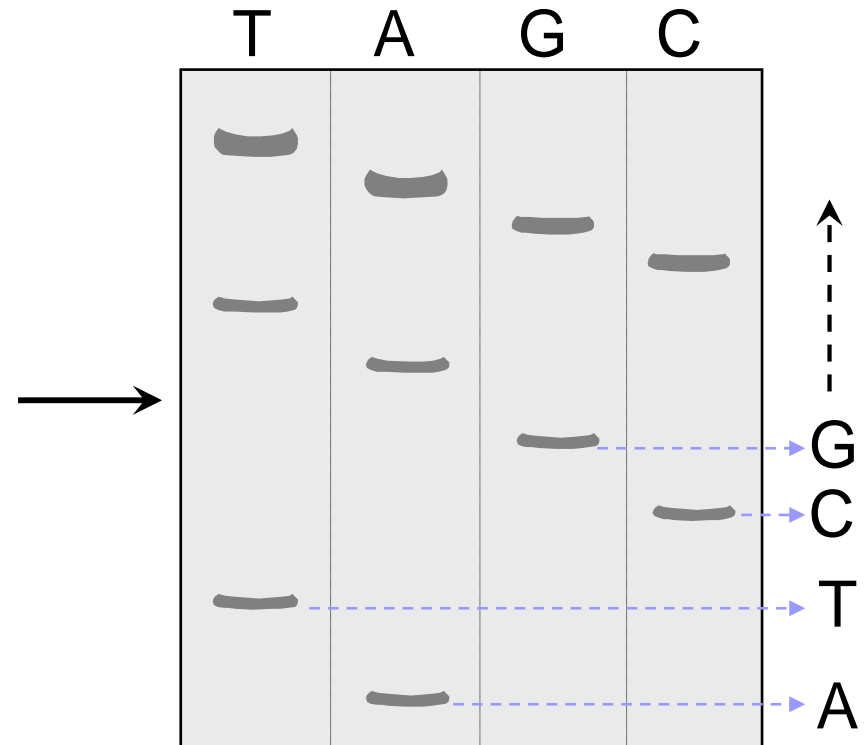
How DNA Sequence Is Determined?

DNA fragments having a difference of one nucleotide can be separated on gel electrophoresis



But these bands can't tell us the identity of the terminal nucleotides

Polyacrylamide Gel Electrophoresis

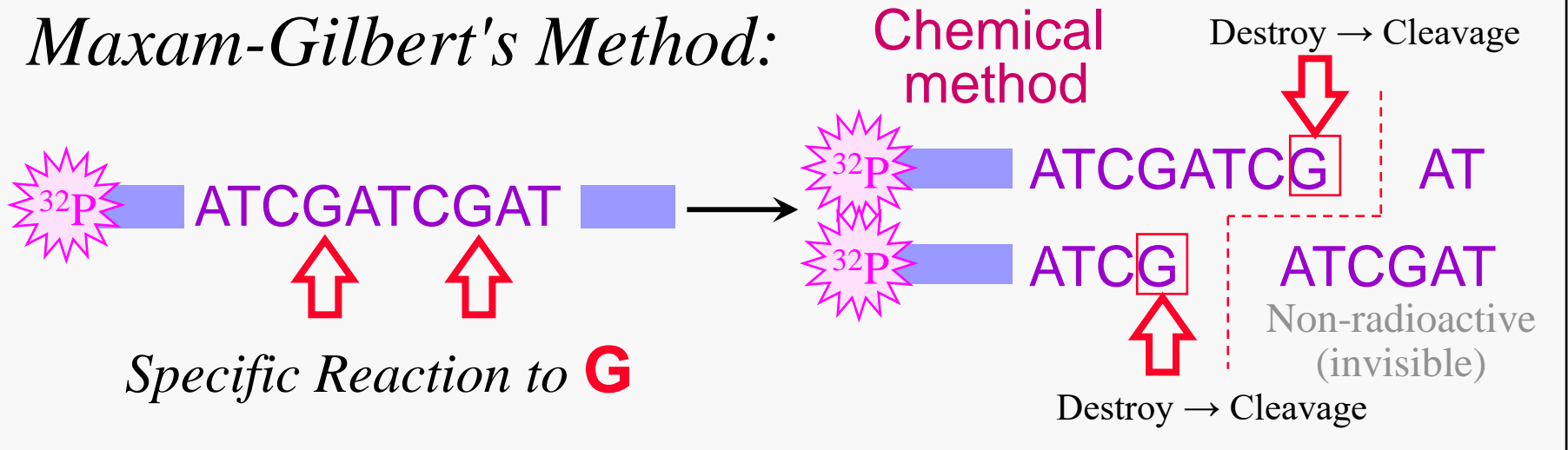


If those band with the same terminal nucleotide can be grouped, then it is possible to read the whole sequence



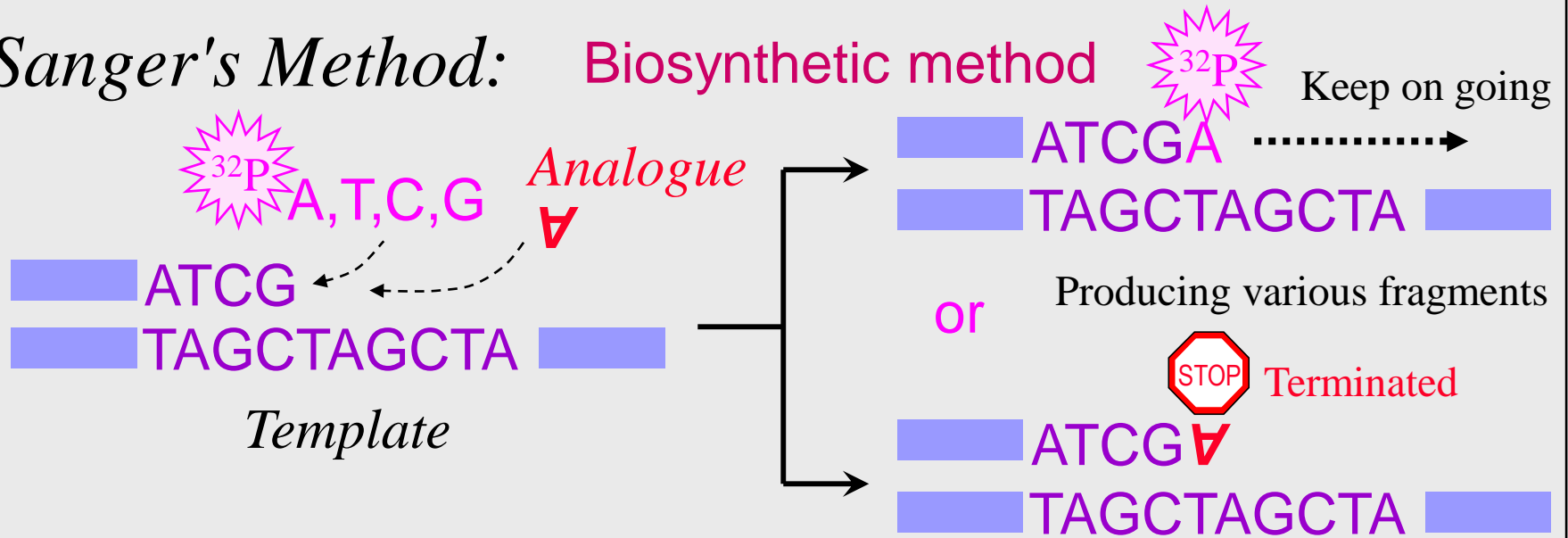
How to Obtain DNA Fragments

Maxam-Gilbert's Method:

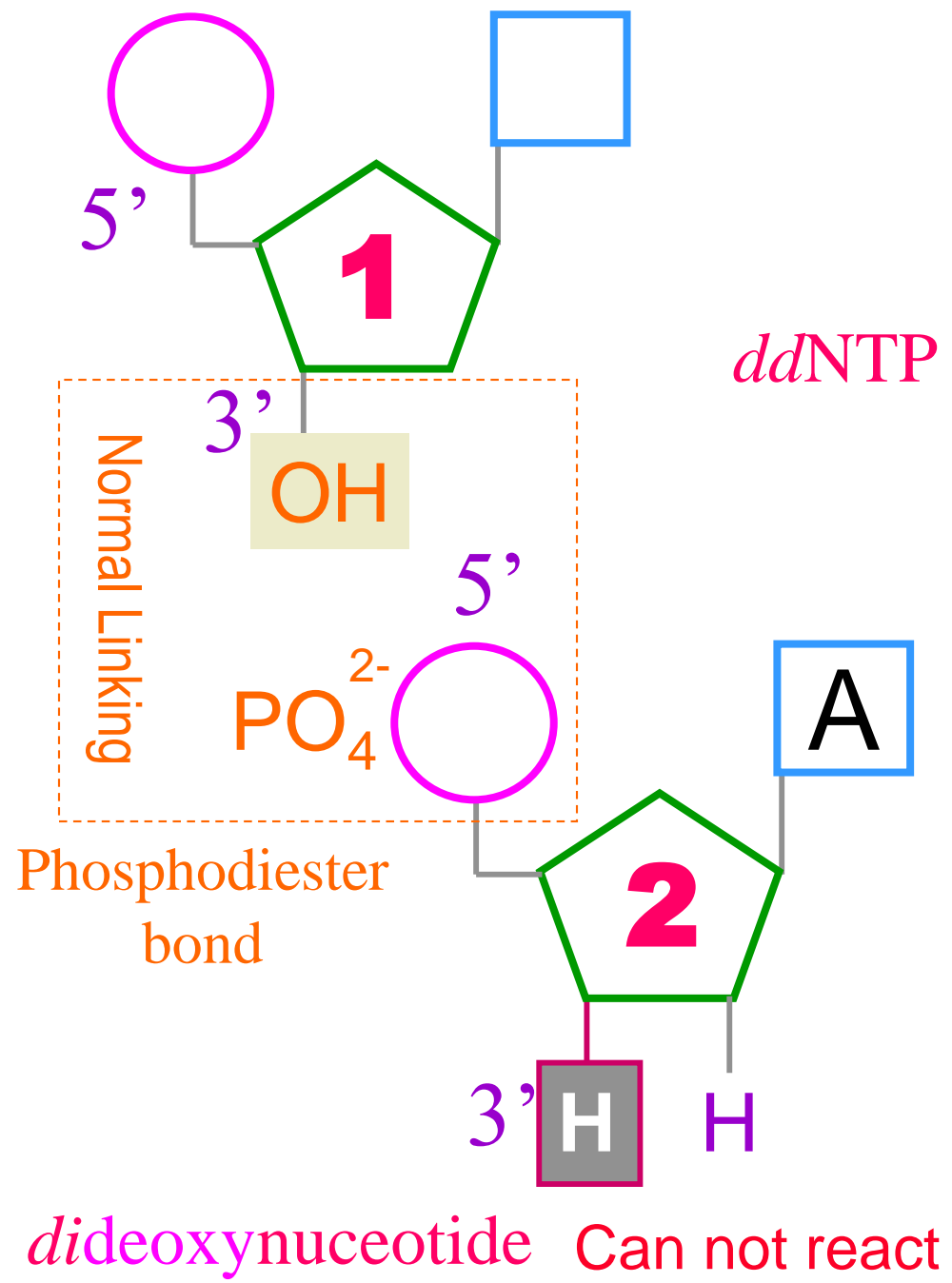


Sanger's Method:

Biosynthetic method



Sanger's Method: How Terminated



ddNTP

