
Biology Lab Cloning Paper Plasmid Answers Key

AP Bio: Cloning Paper Plasmid Activity
Recombinant DNA Activity Tutorial LAB:
Recombinant DNA using Paper Plasmids
Construction of a Plasmid Vector [HD Animation]
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PLASMID In this

exercise you will use paper to simulate the cloning of a gene from one organism into a bacterial plasmid using a restriction enzyme digest. The plasmid (puc18 plasmid) can then be used to transform bacteria so that it now expresses a new gene and produces a new protein. 1. From the white paper, cut out the puc18 plasmid DNA in a long strip. 2.A
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have pieces of circular
DNA called plasmids.
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wonderfully ally for
biologists who desire to
get bacteria to produce
very specific proteins.
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 of the ring you just drew to represent the origin of replication. Now, using your circular paper plasmid, vrank clockwise from "O" and write on your drawing the following information as it appears in your paper plasmid:
 (a) Show where the inserted gene is located on your loop.
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their normal DNA, they
also have pieces of
circular DNA called
plasmids. Plasmids are
a wonderfully ally for
biologists who desire to
get bacteria to produce
very specific proteins.
The plasmids
conveniently can be
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