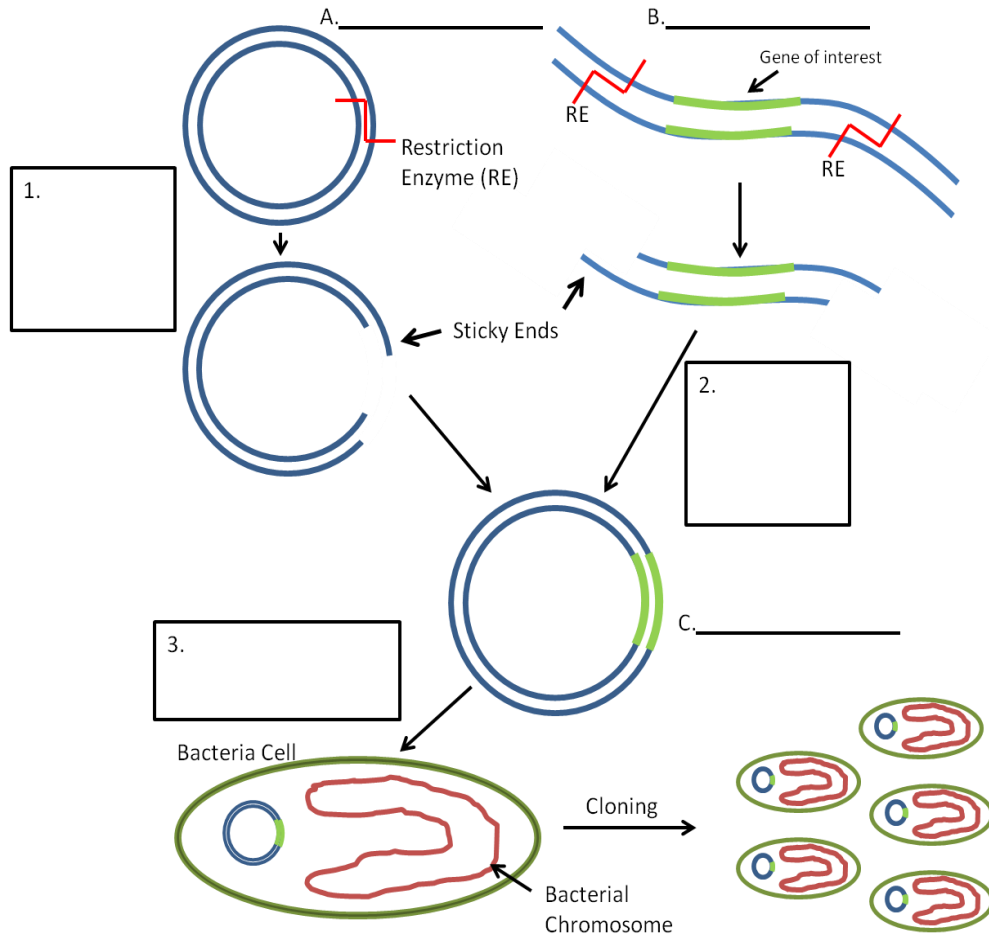# Modeling Bacteria Transformation Worksheet

DATA and OBSERVATIONS

[Staple recombinant model here.]

OVERVIEW of BACTERIA TRANSFORMATION
Instructions: Using the word choices provided in the boxes, fill in the numbered boxes with the steps of bacteria transformation and the lettered lines with the name of the structure next to it.

A._____   B._____

Gene of interest

RE

Restriction
Enzyme (RE)

1.

Sticky Ends

2.

3.

C._____

Bacteria Cell

Cloning

Bacterial
Chromosome

Word Choices for Letters	Word Choices for Numbers
• foreign DNA with desired gene	• bacteria transformed with recombinant plasmid
• plasmid	• plasmid cut with restriction enzyme
• recombinant DNA	• DNA ligase joins sticky ends to form recombinant plasmid