

Moving Genes

Paper Model of RoundUp Ready Soybean Rubric

Name _____

Date _____

(Using herbicide resistance as the example, create a transgenic soybean)

1. ___ / 2 Diagram has title
2. ___ / 1 Gene of interest in red
3. ___ / 1 Soybean DNA cut correctly
4. ___ / 1 Bacterial DNA cut correctly
5. ___ / 2 Sticky ends matched

___ / 25
points

6. Terms labeled correctly

___ / 1 soybean gene sequence

___ / 1 bacterium gene sequence

___ / 1 recognition sites

___ / 1 gene of interest

___ / 1 sticky ends

___ / 1 transgenic or genetically modified organism

7. Terms used correctly

___ / 1 soybean gene sequence

___ / 1 bacterium gene sequence

___ / 1 recognition sites

___ / 1 gene of interest

___ / 1 sticky ends

___ / 1 transgenic or genetically modified organism

___ / 1 recombinant DNA technology

___ / 1 Cut

___ / 1 restriction enzyme

___ / 1 HIND III

___ / 1 molecular scissors

___ / 1 Genetic engineering

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