

Biotechnology Vocabulary Probe

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| 1 ____ palindrome | A. a circular piece of bacterial DNA that can replicate itself |
| 2 ____ plasmid | B. DNA from two or more different species |
| 3 ____ recombinant DNA | C. unpaired bases segments that remain after DNA is cut by a restriction enzyme |
| 4 ____ restriction enzymes | D. a sequence of DNA bases that are the same backwards and forwards |
| 5 ____ sticky ends | E. seaweed powder that is used to make gels for electrophoresis |
| 6 ____ vector | F. a process used to separate DNA fragments by size to create a DNA fingerprint |
| 7 ____ agarose | G. used to transfer DNA into a host cell; plasmids, viruses, and yeast |
| 8 ____ gel electrophoresis | H. they cut at specific locations on DNA |
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| 9 ____ transgenic organism | I. an undifferentiated cell; a cell whose job is not determined and could turn into any kind of cell |
| 10 ____ gene splicing | J. making an exact copy of an organism using its DNA |
| 11 ____ cloning | K. an organism that contains DNA from two or more species |
| 12 ____ gene therapy | L. cutting and reattaching different pieces of DNA with sticky ends |
| 13 ____ PCR | M. inserting normal genes into human cells to treat diseases |
| 14 ____ stem cell | N. a process to make many copies of a DNA sample to use in testing |
| 15 ____ totipotent | O. found in umbilical cords and adults; can become a restricted range of cells |
| 16 ____ pluripotent | P. found in early embryos; can become any type of cell |
| 17 ____ multipotent | Q. found in late embryos and fetuses; can become almost any kind of cell |