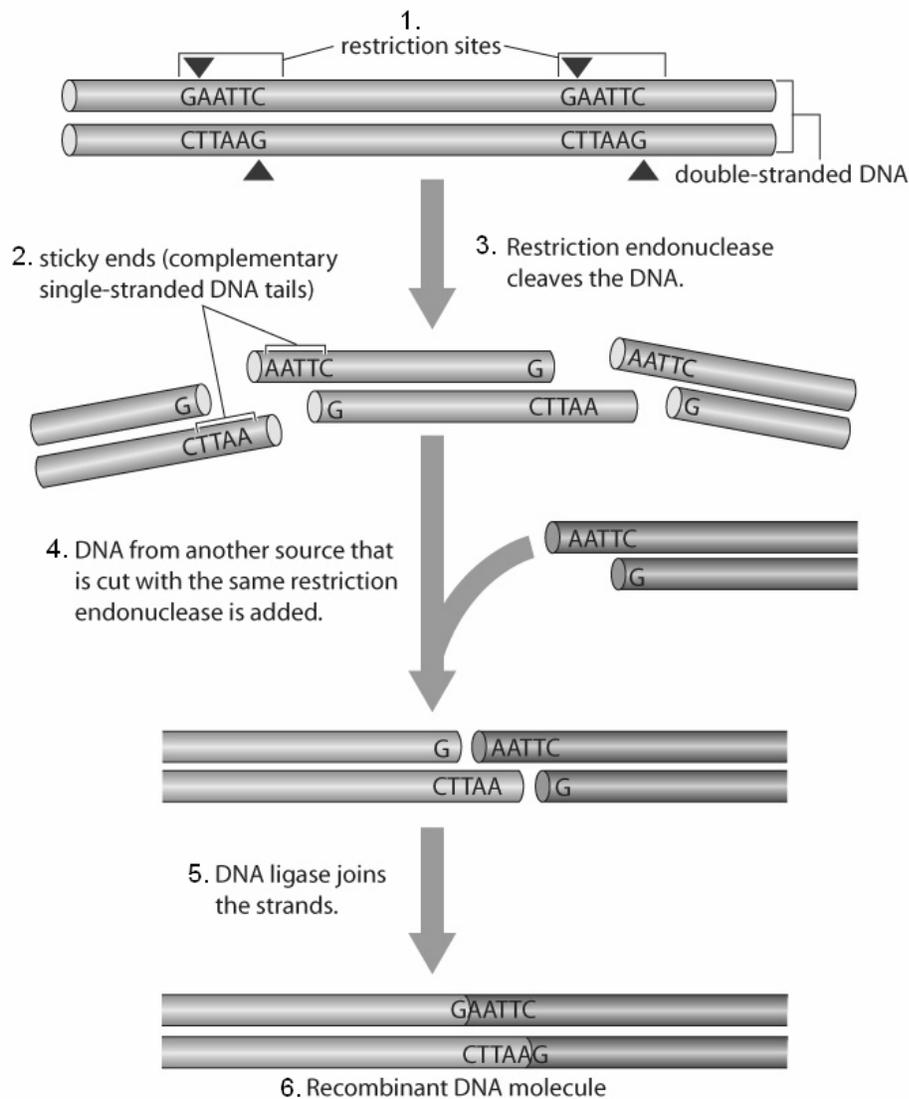


Restriction Endonucleases Answer Key



The target sequence of the restriction endonuclease known as EcoR1 is GAATTC. Wherever this sequence appears on one strand of a DNA molecule, the same sequence will appear running in the opposite direction on the complementary DNA strand. The result is a set of fragments with exposed complementary nucleotide sequences. These “sticky ends” may base-pair with one another. DNA ligase will then seal the break between them.