

## Chapter 14 Keys to Success

Regarding DNA technology, what is a vector?

What two enzymes are needed to create recombinant vectors for genetic modification? What are their roles?

What is the purpose of PCR? What are the steps of the process?

How does gel electrophoresis work to allow for DNA fingerprinting?

What are some beneficial uses of transgenic organisms?

Regarding functional genomics, what is the purpose of a DNA microarray?

What is the goal of gene therapy for humans?

What branch of science deals with analyzing very large data sets of biological information using computer programming?