DNA Model

Directions:

Build a model of DNA using four different colored pipe cleaners to represent each of the four nitrogenous bases. Use toothpicks to represent the phosphate backbone and Super Bubble® gum as the five carbon sugars. After making the Super Bubble® model, trade with a partner and undergo translation and transcription. Each model must have a minimum of ten rungs. When finished, demonstrate what would happen with one mutation.

1. Why was it so important to go one base at a time and not immediately undo the whole thing?

2. What would have happened if you incorrectly placed one base in an anticodon?