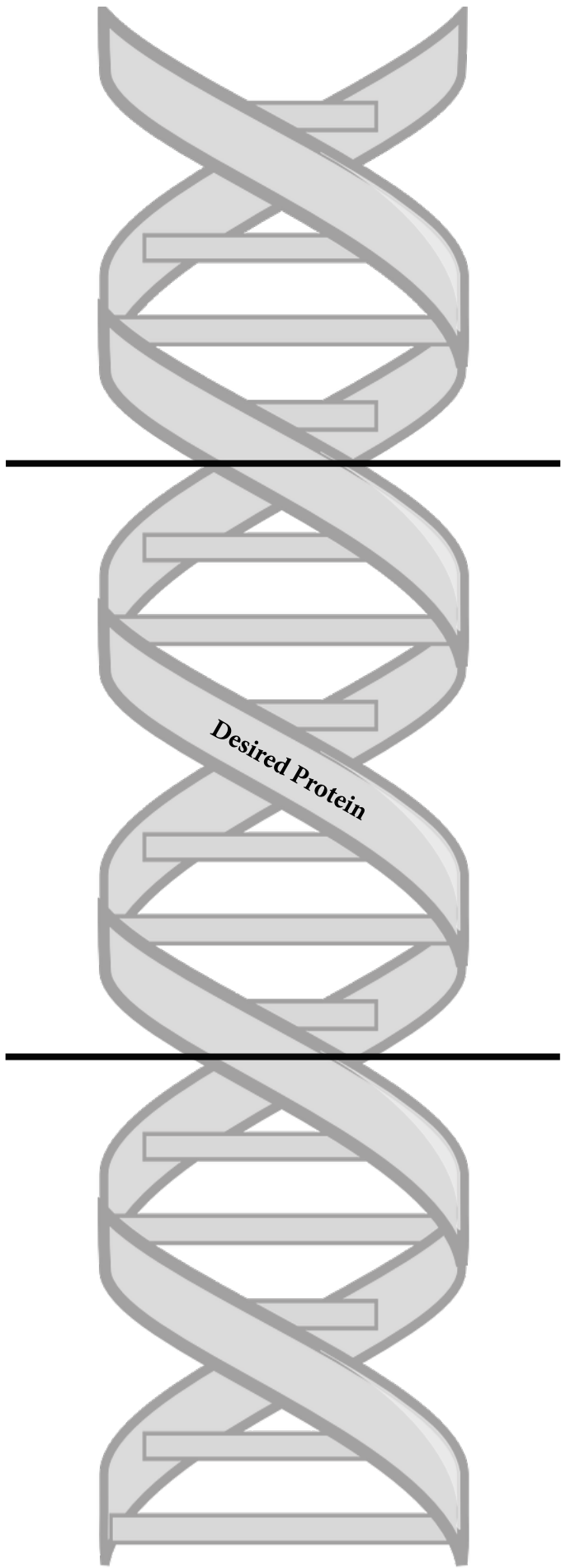


Gene Splicing

Your Job:

1. Color each DNA strand a different color. (DNA 1 contains the desired trait and DNA 2 is the receiving strand.)
2. Cut between the two solid lines on DNA 1 (this section produces the desirable protein).
3. Cut out the DNA 2 strand to prepare for splicing.
4. Carefully make ONE cut on the dotted line on DNA 2.
5. Splice (insert) the cut-out section of DNA 1 into DNA 2 (where the dotted line was) and secure with tape. Your spliced DNA strand should now be longer than before and contain a different colored section.



DNA 1



DNA 2