

CTCAAA

The diagram illustrates a DNA double helix structure. The top strand is composed of six nucleotides: two Cytosines (C, blue), one Thymine (T, red), and three Adenines (A, green). The bottom strand is composed of six nucleotides: two Guanine (G, green), one Adenine (A, blue), and three Thymines (T, orange). The base pairing is as follows: C pairs with G, T pairs with A, and A pairs with T. Each nucleotide is represented by a colored letter above a horizontal bar, which is further supported by a vertical stem. The colors of the letters and the bars/stems correspond to the base pairing: C (blue) with G (green), T (red) with A (blue), and A (green) with T (orange).