GUANINE-CYTOSINE

The GUANINE-CYTOSINE pair of deoxyribonucleotides showing hydrogen bonding. Color code in model is red; note code letters G & C. This is one of 4 kinds of units for constructing a multi-unit model of a molecule of deoxyribonucleic acid in double helix configuration: a stack of about 15 units will illustrate the principle, but the actual molecules contain about 12,900 such units if we accept a molecular weight of 8 million.

Tab No. :
Fold on dashed lines

Attach Tab #14 under Tab #8 of the unit beneath it in a vertical stack, using paste or double-coated transparent tape.

Stack 4 types of units vertically in random sequence, passing a cord through the center point with 1 inch spaces of tubing; omit spacers to obtain collapsible model.

Attach Tab #1 over #7 of the unit beneath it in a vertical stack, using paste or double-coated transparent tape.

Fold on dashed lines to form Tab No.

Fold so that Tabs 8, 9, 10, 11 are above the plane of the bases; 13 and 14 are below the bases; 8, 10, 12, 14 are parallel to the bases, i.e., horizontal and 9, 11, 13 are vertical.

Scale: 1 inch = 3.4 Angstrom units

Note code letters identifying bases

← Center point i.e., helix axis

Dotted lines between bases represent Hydrogen Bonds

Fold so that Tabs 1, 2, 3, and 4 are below the plane of the bases; 6 and 7 are above the plane of the bases; 1, 3, 5 and 7 are parallel to the plane of the bases (horizontal) and 2, 4 and 6 are vertical.