



DNA Recipe



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Ingredients:

- 2 licorice sticks
- 12 toothpicks
- 9 pink marshmallows (thymine - T)
- 9 green marshmallows (adenine - A)
- 9 yellow marshmallows (cytosine - C)
- 9 orange marshmallows (guanine - G)

Sequence: TACGTATGAAAC
Base pairings: A pairs with T



while G pairs with C



Directions:

1. Lay one licorice out and look at the sequence.
2. Stick one toothpick into one marshmallow of the corresponding base color (T = thymine = pink). Repeat for the whole sequence.
3. Stick each toothpick into the licorice in order of the sequence, down the strip.
4. Find the corresponding base pairing for each toothpick and stick the correct marshmallow into the exposed end.
5. Attach the second licorice stick to the other side.
6. Twist the model into a double helix shape!

