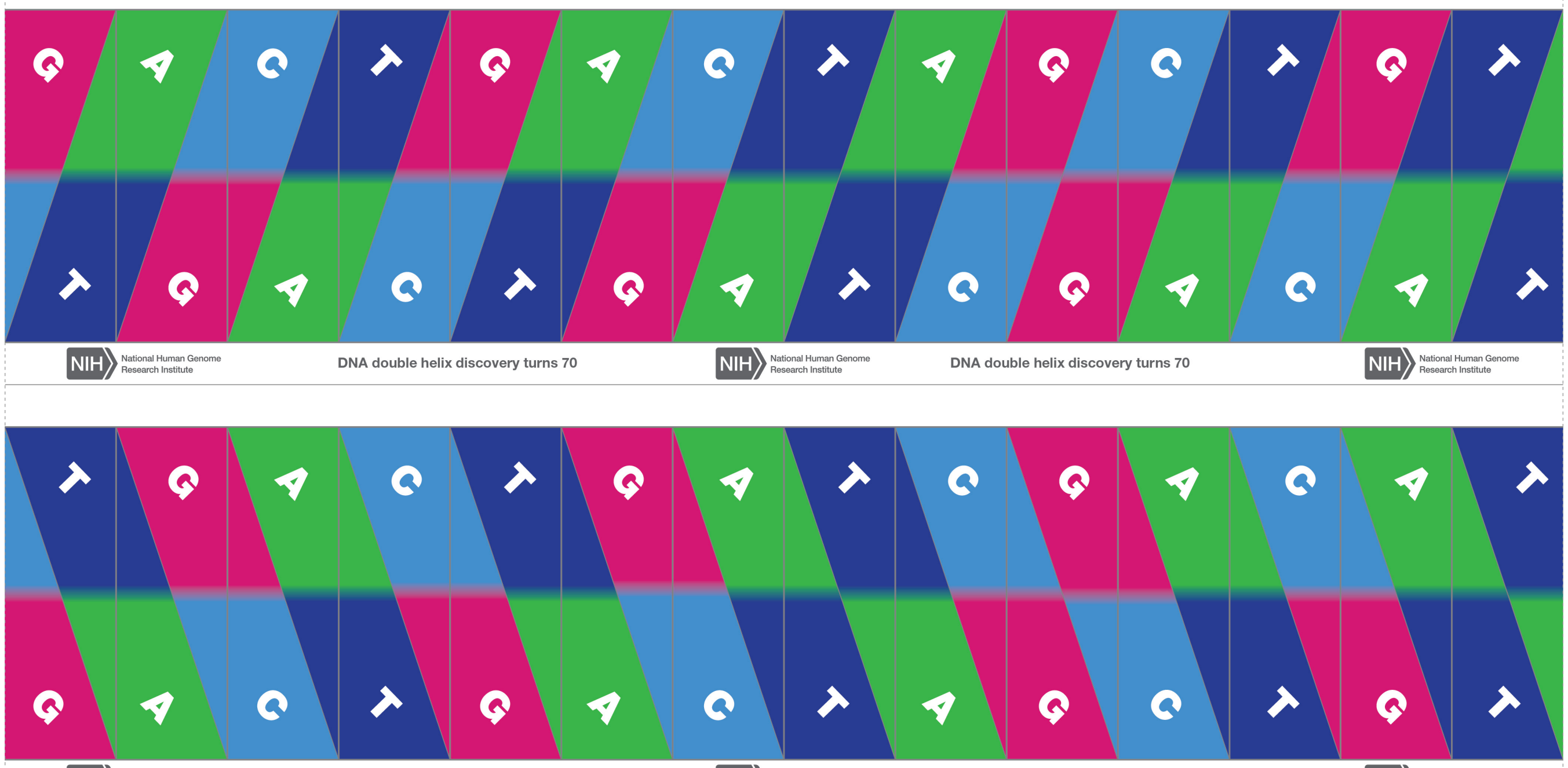
DNA Origami

National Human Genome Research Institute



NIH National Human Genome Research Institute

The Forefront of Genomics®

Celebrating 70 years since the DNA double helix discovery

National Human Genome Research Institute

The discovery of DNA's double-helical structure in 1953 was perhaps the most significant biological accomplishment of the 20th century.

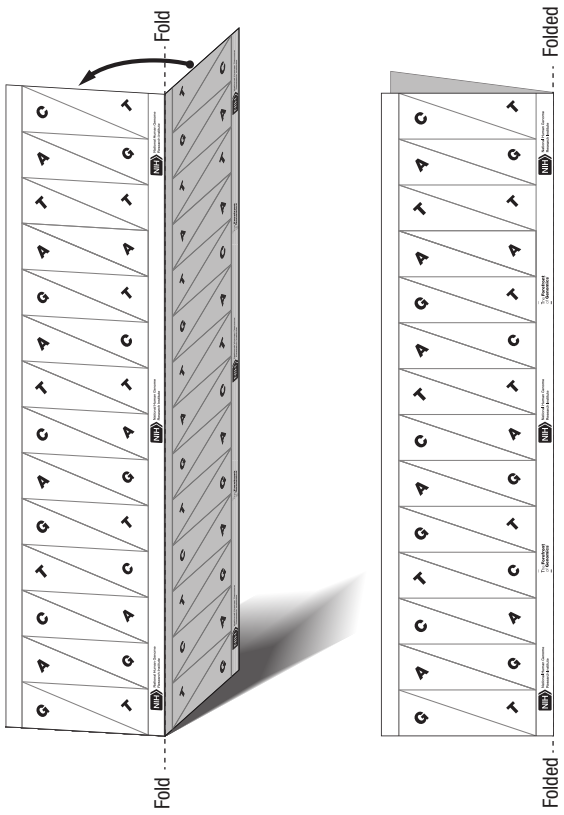
For a video tutorial
scan or visit
genome.gov/dnaorigami

DNA origami folding instructions

To start folding your DNA, print the first page on 11x17 or tabloid paper

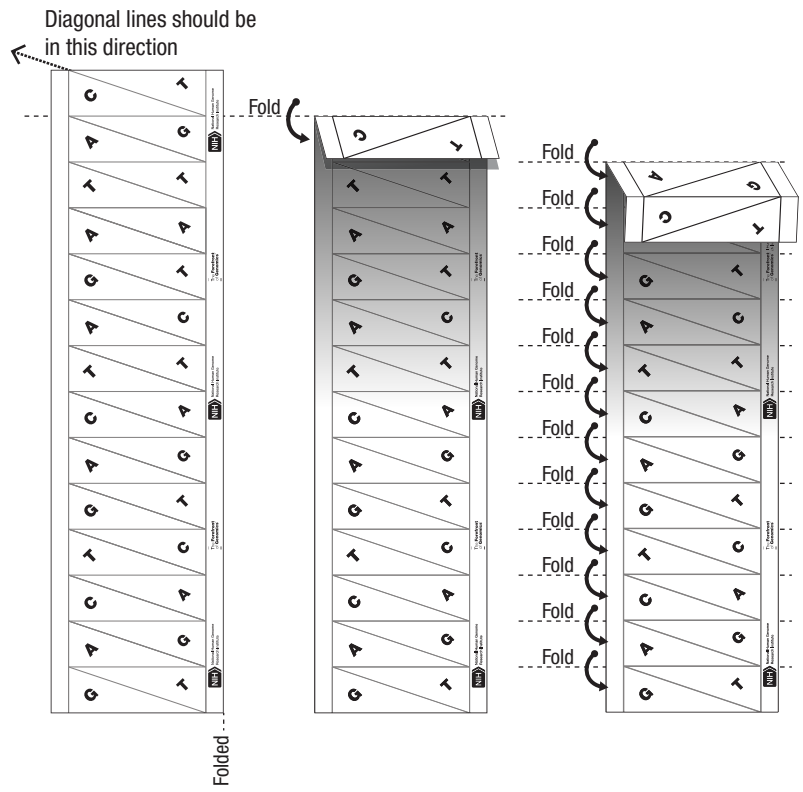
Step 1 - Fold in half

Fold the DNA paper flat at the center line with a crisp sharp fold make sure the left side is on top for Step 2.



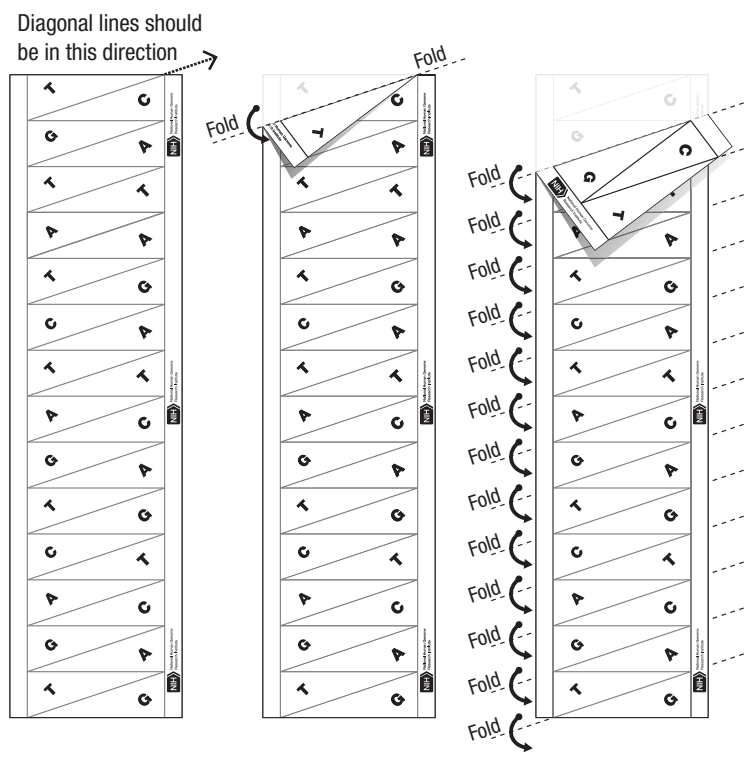
Step 2 - Fold horizontal lines

Using your fingernail fold each horizontal line toward you with a crisp sharp fold and unfold.



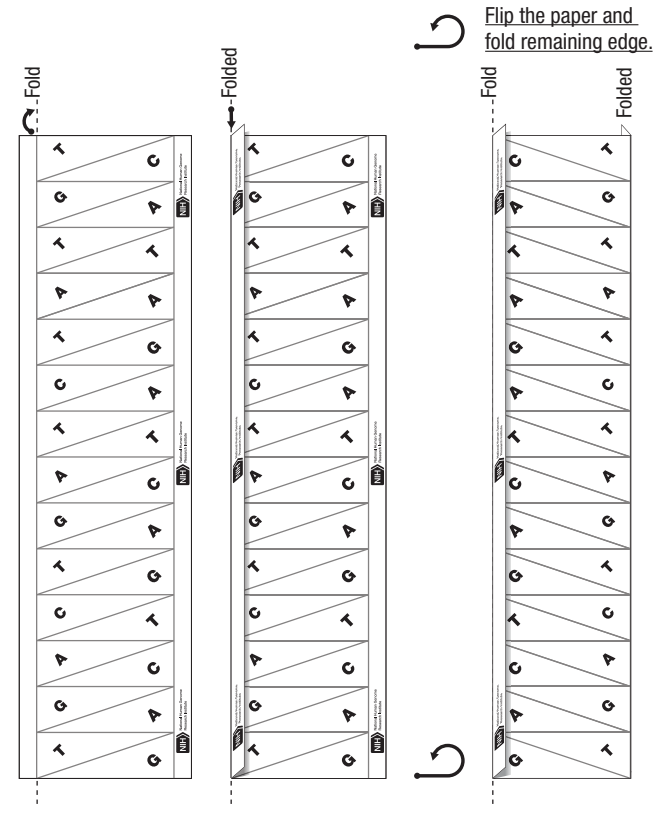
Step 3 - Fold diagonal lines

Flip paper over and fold each diagonal line toward you with crisp sharp folds and unfold.



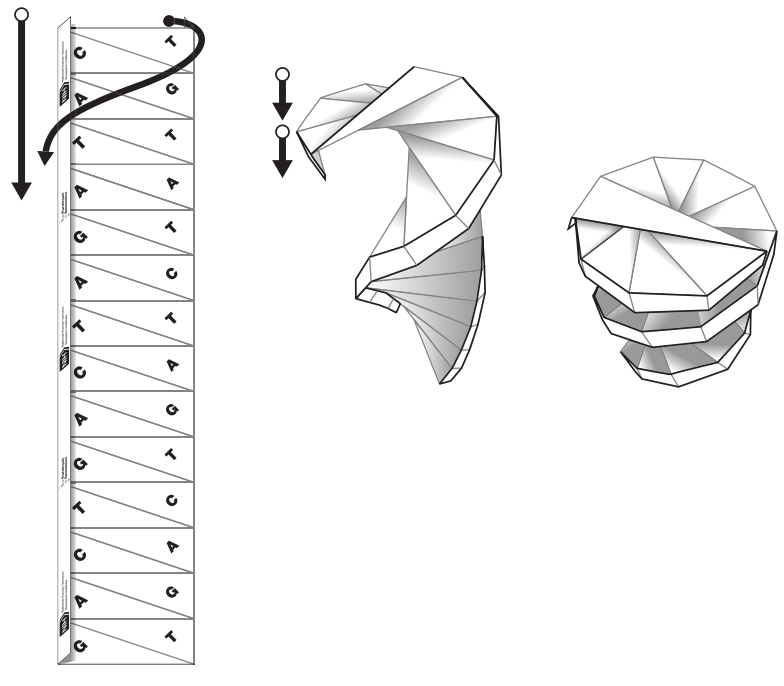
Step 4 - Fold long edge

Fold the left edge without the logo with a crisp sharp fold at 90 degrees.



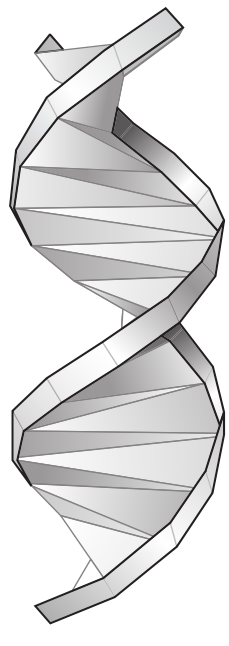
Step 5 - Twist and compress

Starting at the top, start to fold, twist, and compress the DNA until it folds onto itself.



Step 6 - Final DNA

Enjoy your own DNA!



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