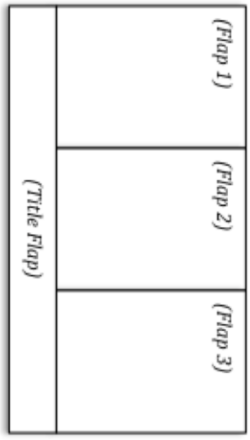
Discovering the Structure of DNA Foldable

Fold:

- Fold paper in half (hamburger) so that one side is one inch longer.
- Create three flaps by cutting the shorter side in thirds, up to the fold.
- Write your name on the back.



Label Front Flaps:

1. Left flap: **"Rosalind Franklin"**
2. Middle flap: **"Watson & Crick"**
3. Right flap: **"Erwin Chargaff"**

Bonus Points: Draw pictures of each person on their flap.

Label Back of Flaps:

On the back of each flap, **draw a symbol** representing the contribution of each scientist to the discovery of DNA structure. (Suggestions: double helix model, x-ray crystolography "photo 51," A=T, G=C, etc.)

Under Each Flap:

Underneath each scientist's flap (on the uncut part of paper) **write at least 1 sentence describing** the work that each scientist or pair of scientists did and their role in the discovery of DNA's structure.

Label Bottom Flap:

On the front of the bottom, uncut flap, write the title: **"Discovering the Structure of DNA"**

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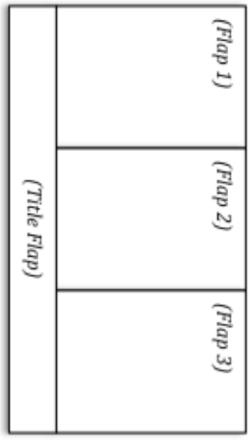

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DNA Structure Mini-Poster Homework

- Create a poster on an 8.5" x 11" sheet of paper the shows and labels the structure of the DNA molecule.
- Use the following as a checklist of details that should be shown and labeled:
    - Complimentary base pairs (A opposite T, G opposite C)
    - Covalent bonds
    - Double helix
    - Hydrogen bonds
    - Nitrogenous bases (Adenine, Thymine, Cytosine, Guanine)
    - Nucleotide
    - Sugar-phosphate backbone
- You may use a picture from the internet, but the labeling must be your own original

Complete at least 1 (DNA Structure Mini-Poster or History Foldable) for homework.
Complete both for extra credit

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