

Name: \_\_\_\_\_

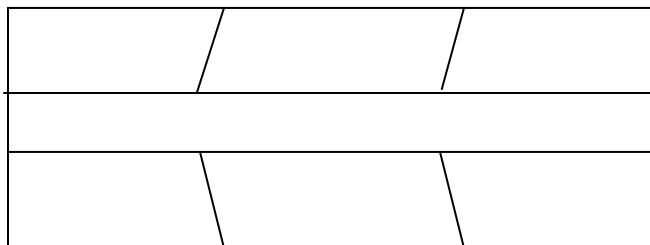
Unit 6 Topic 1

Period: \_\_\_\_\_

Page: \_\_\_\_\_

## History of DNA Foldable

**Directions:** Create a foldable to help you remember the scientists responsible for discovering the structure of DNA. Your foldable should look like the page below:



Create your foldable by folding two panels in (hotdog style), then cutting two slits in each panel. You should have a total of six tabs (three on each side)

### Outside of Each Panel:

- Write the name of one of the 6 scientists responsible for discovering the structure of DNA. The scientists responsible are:
  - Hershey & Chase
  - Watson and Crick
  - Rosalind Franklin
  - Erwin Chargaff
  - *Friedrich Miescher – first to isolate nucleic acids (1869)*
  - Frederick Griffith
- In addition to the name draw a picture (on the front under their name) that will help you remember each scientist's contribution to science

### Inside of Each Panel:

- Write one to two sentences describing the scientist's contribution to discovery of the DNA structure  
Example: **Rosalind** used **X-Ray** crystallography to help discover the DNA crystals.

### Centerfold:

- Write the term "DNA Structure" at the top of the centerfold.
- Use the left half of the space to draw and label a DNA double helix and nucleotide
- Use the right half of the centerfold to answer the following:
  - What is the general shape of DNA?
  - What is the monomer of DNA?
  - What are the Nucleotide Base Pairings (according to Chargaff's Rule)?

### On the Back:

- Write your name, date, and class period on the back of the foldable.