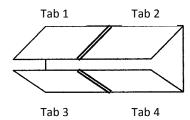
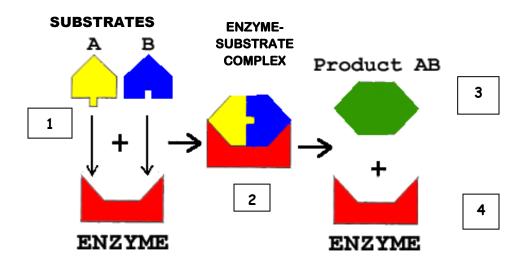
## Enzyme Foldable Instructions

## Steps:

1. Use your foldable pattern instructions in your notebook to create a four-tab, shutter fold as shown below.



2. On the **FRONT** of each tab, draw and color the 4 general steps of enzyme activity using the sketch below. Color the enzyme RED, substrate A - YELLOW, substrate B - BLUE, and the product GREEN.



- 3. On the BACK of each tab, list the following:
  - a. Tab 1 Meaning of enzyme, substrate, & active site
  - b. Tab 2 Explanation of induced fit
  - c. Tab 3 Factors that affect enzyme action (3 to 4 factors)
  - d. Tab 4 Examples of biological enzymes (3 to 4 examples)
- 4. On the CENTER FOLD, write ENZYME CHARACTERISTICS and then bullet each of these answers:
  - a. Reusable or NOT reusable
  - b. Specific or NOT specific
  - c. Effect on chemical bonds
  - d. Effect on activation energy
  - e. Ending?