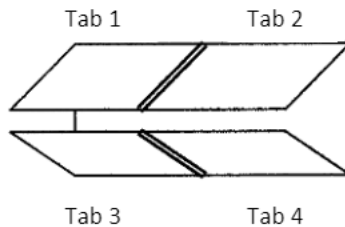


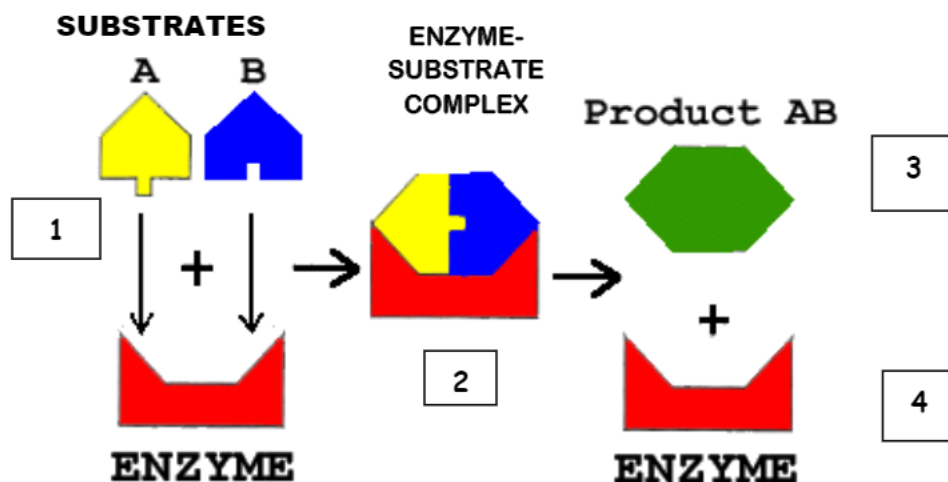
Enzyme Foldable Instructions

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?