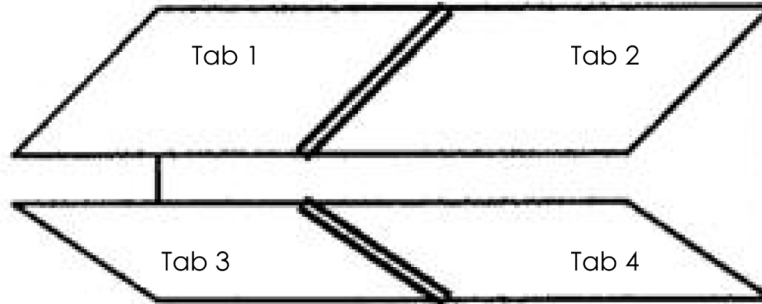


Extension- Enzyme Foldable

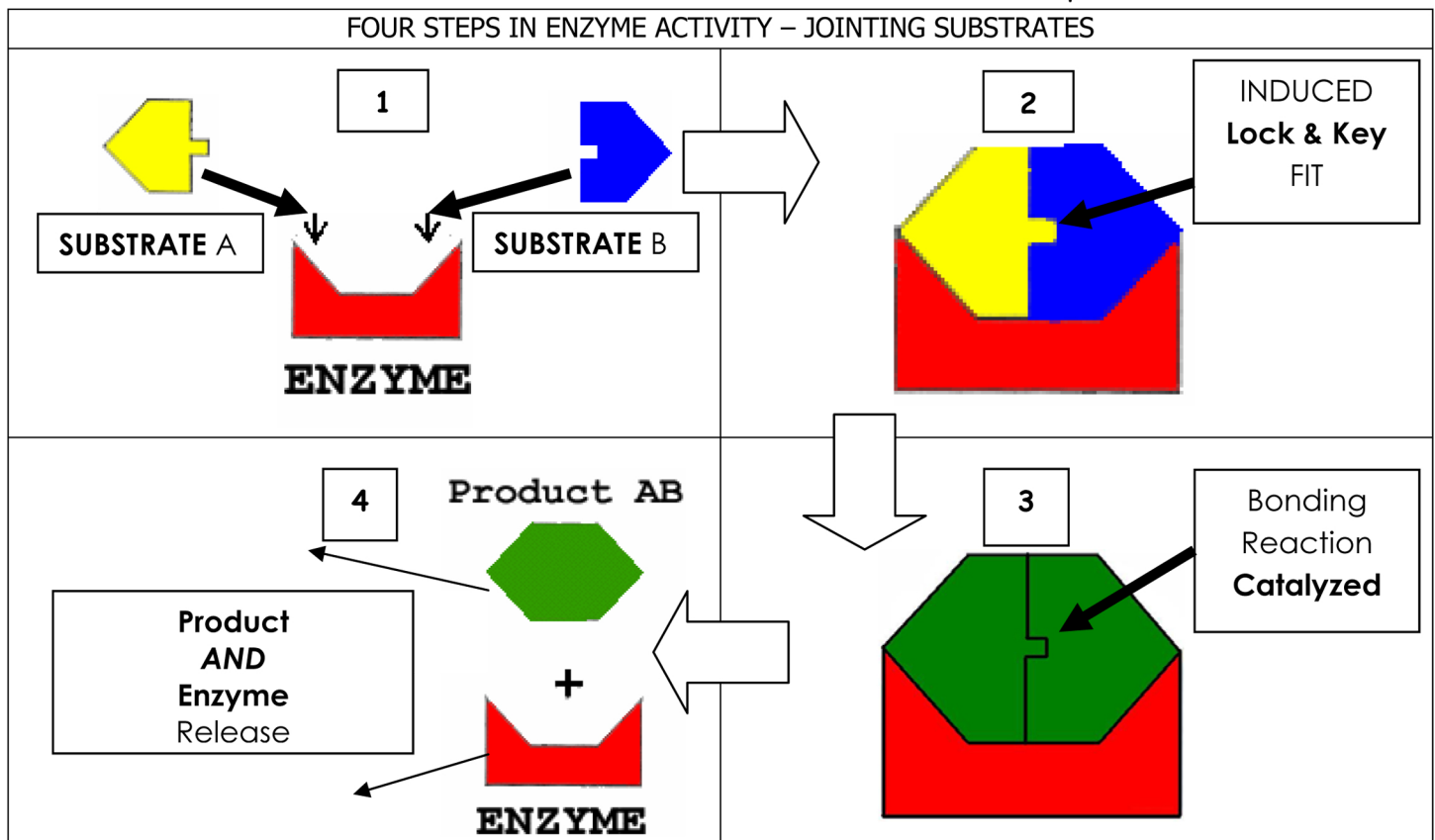
Step 1: Use the foldable pattern below to create a four-tab, shutter fold as shown below



Step 2: On the very top edge of the foldable, title your work today as "**FOUR STEPS IN ENZYME ACTIVITY - JOINING SUBSTRATES**"

Step 3: On the **FRONT** of each tab, draw and color the 4 general steps of enzyme activity using the sketch below. Color the enzyme RED in every step. Color the substrate A will be = YELLOW, the substrate B will be = BLUE, and the end product GREEN.

The substrate A will be = YELLOW, the substrate B will be = BLUE, and the end product GREEN.



Step 4: On the **INSIDE** of each tab, LOOK UP [Chromebook] and LIST the following:

- Tab 1 - Meaning of the words ENZYME, SUBSTRATE, & ACTIVE SITE
- Tab 2 - Explanation of "INDUCED FIT / LOCK AND KEY"
- Tab 3 - Definition of the word "CATALYST" and meaning of "Biological Catalyst"
- Tab 4 - Examples of biological enzymes useful in our cells (3 to 4 examples) AND the process they catalyze.