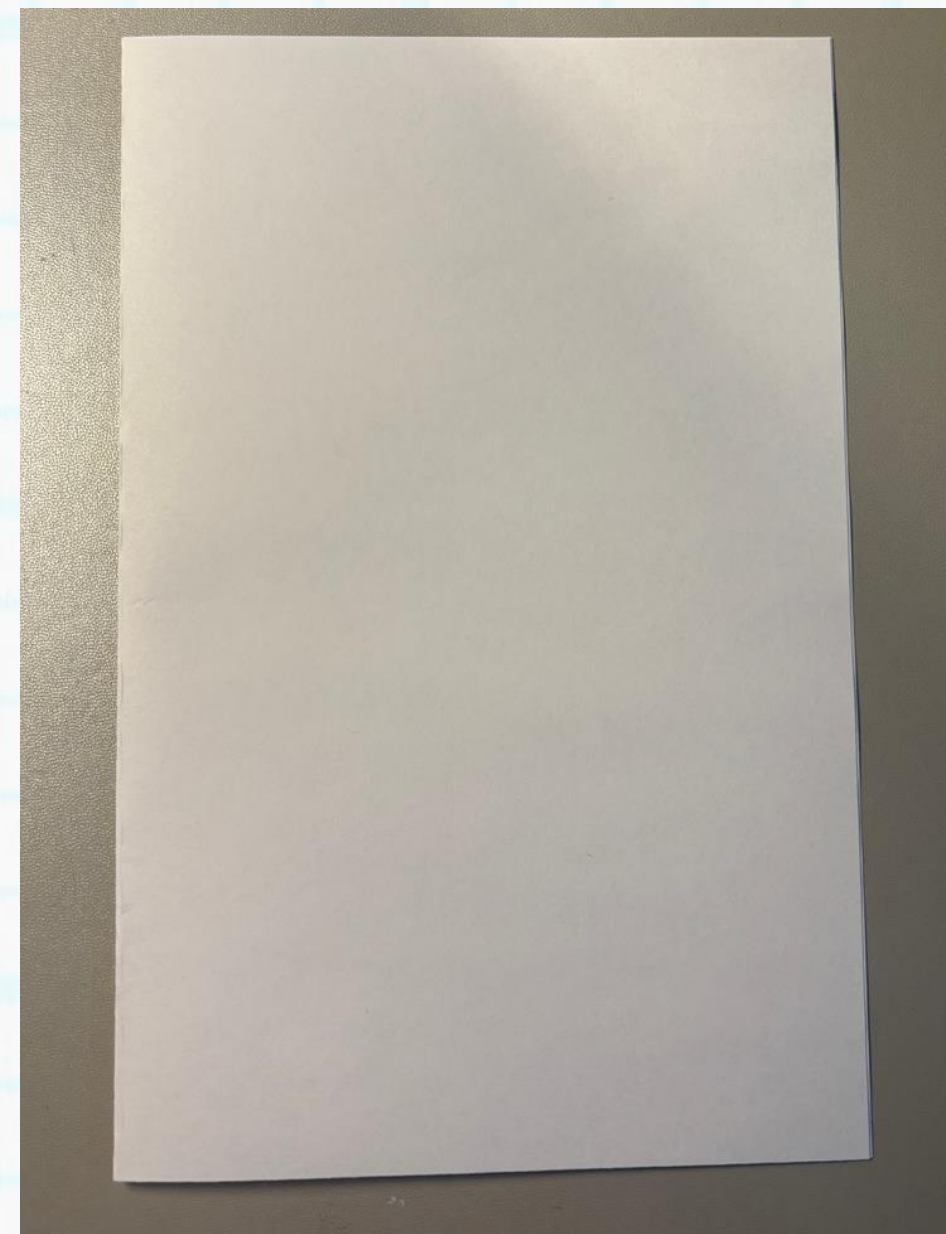
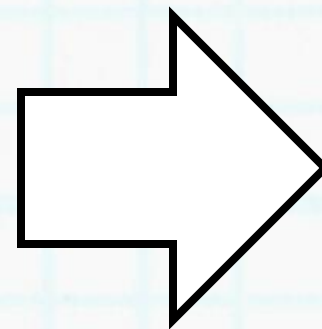
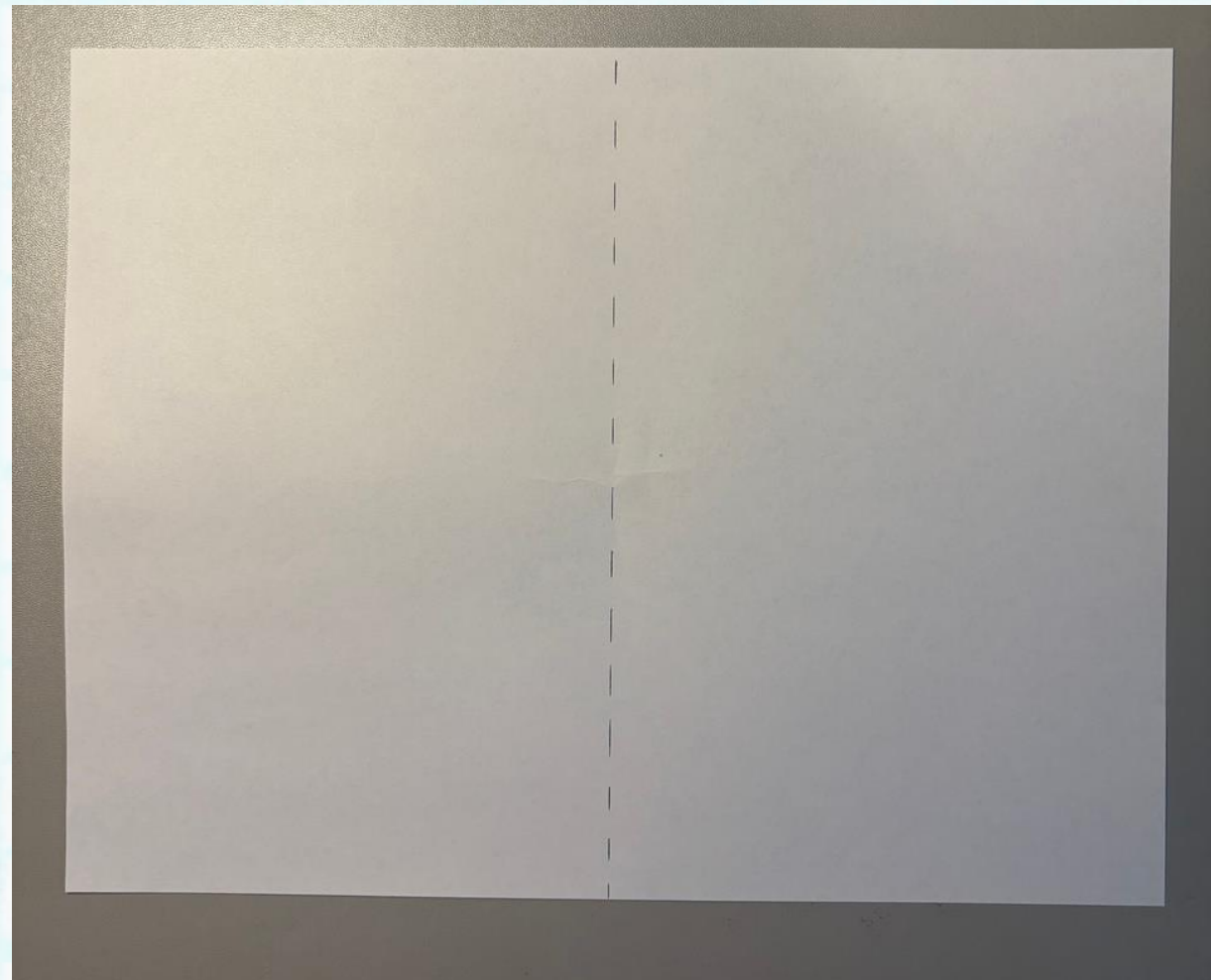


Enzyme Foldable

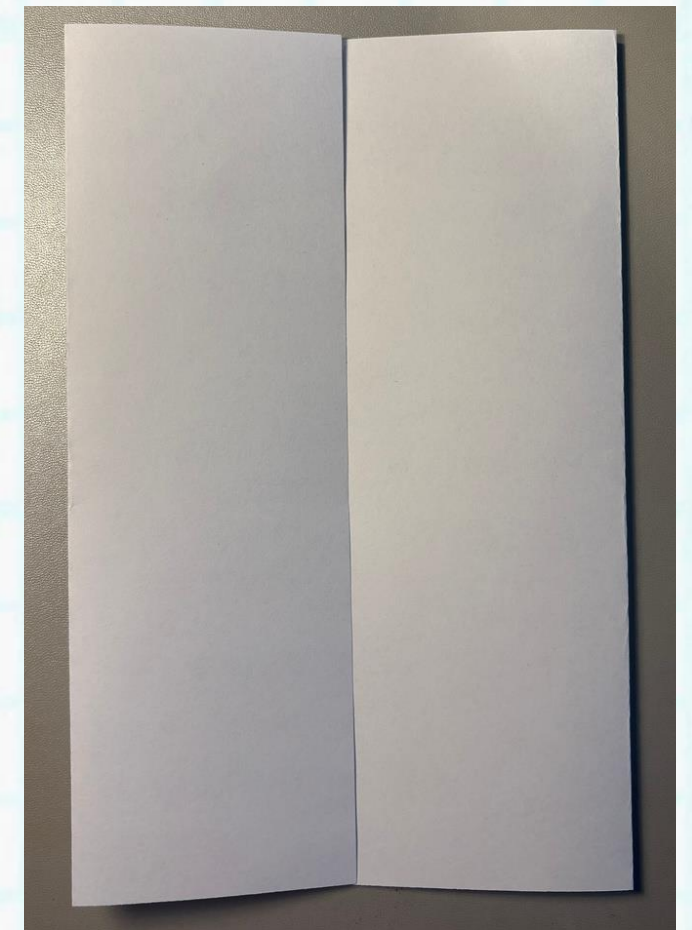
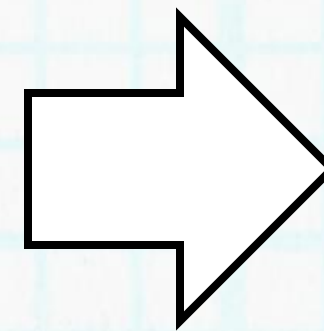
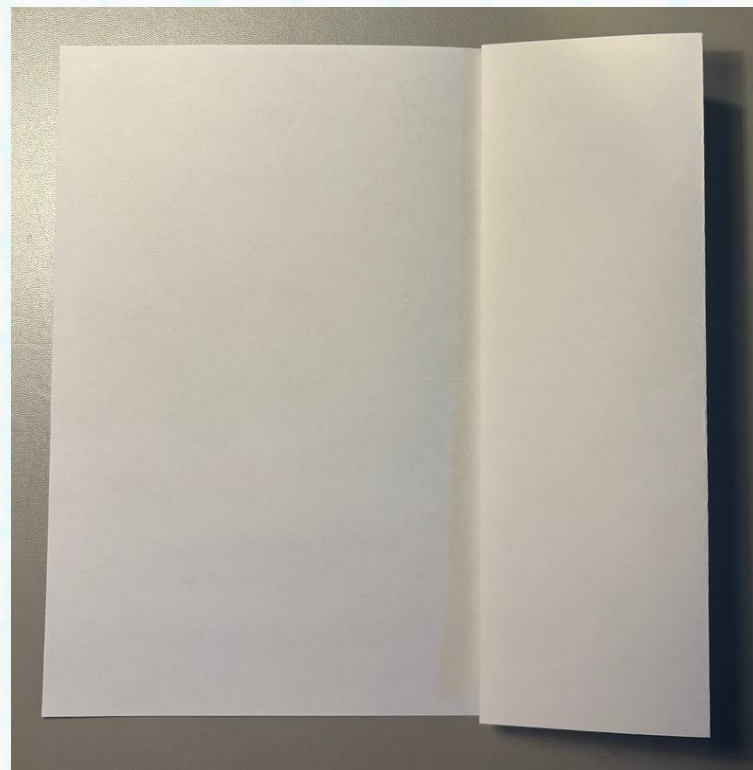
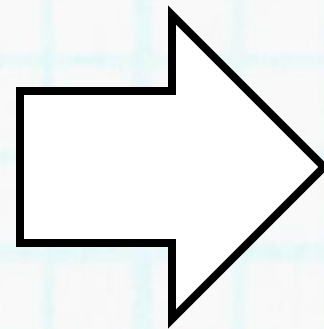
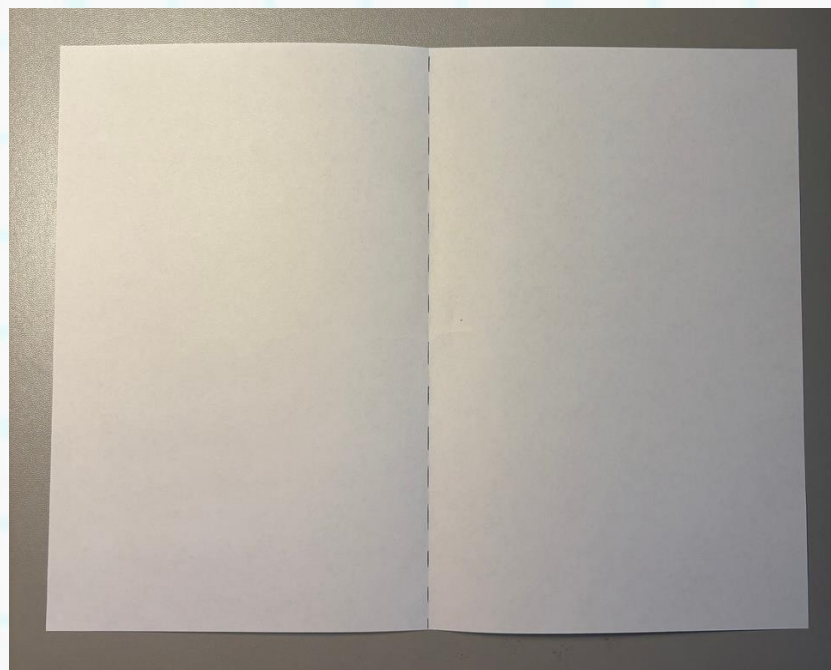
Step 1

Place a sheet of paper landscape and fold it in half.



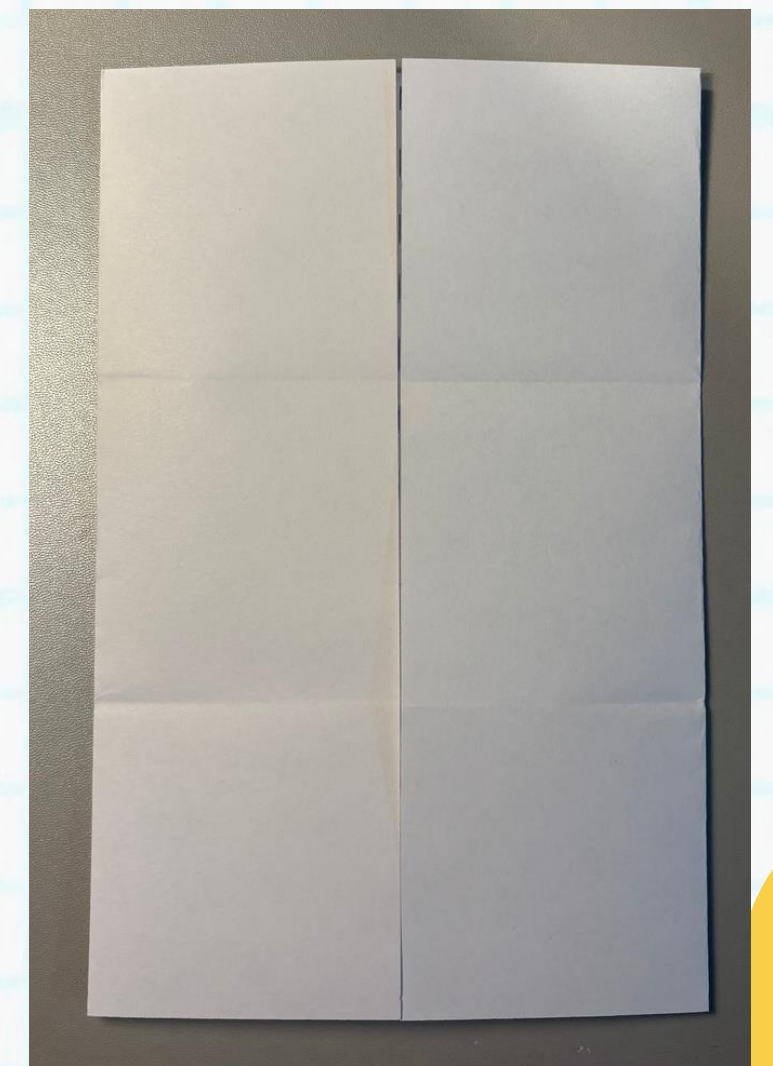
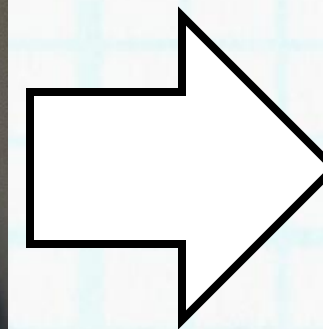
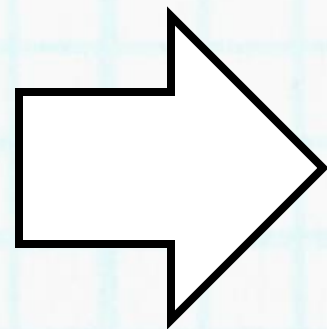
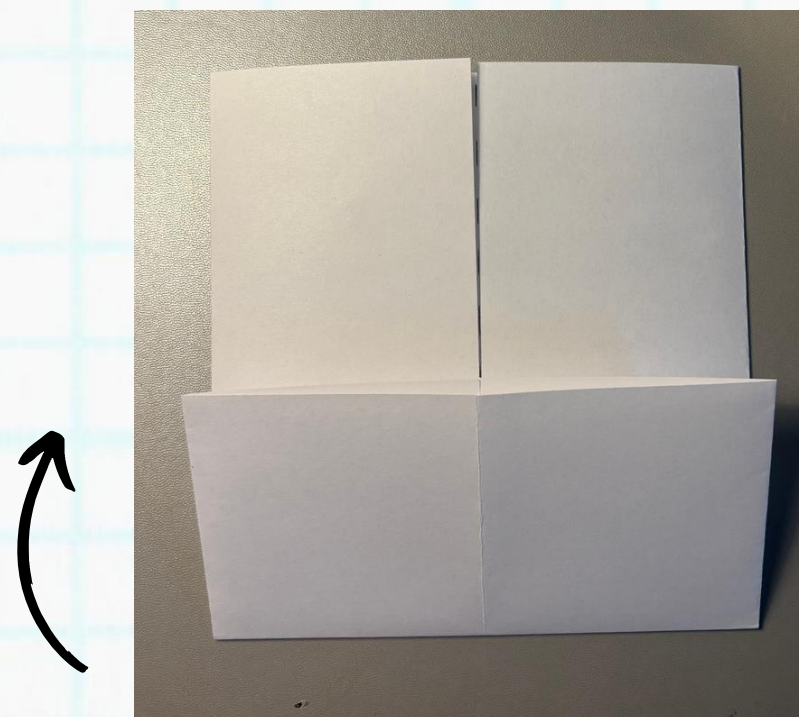
Step 2

Open the paper back up and take the right side of the page and fold it to the crease made in the middle. Repeat on the left side.



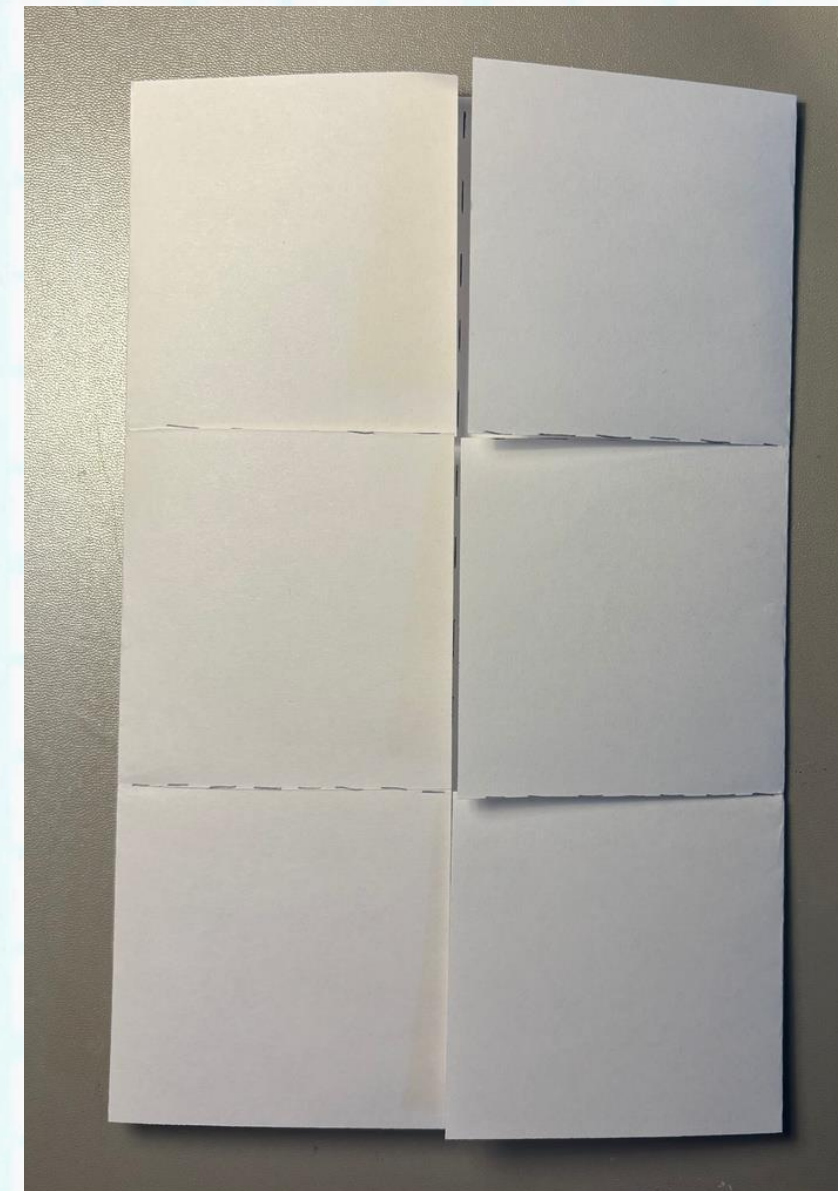
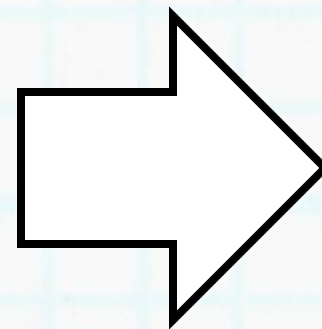
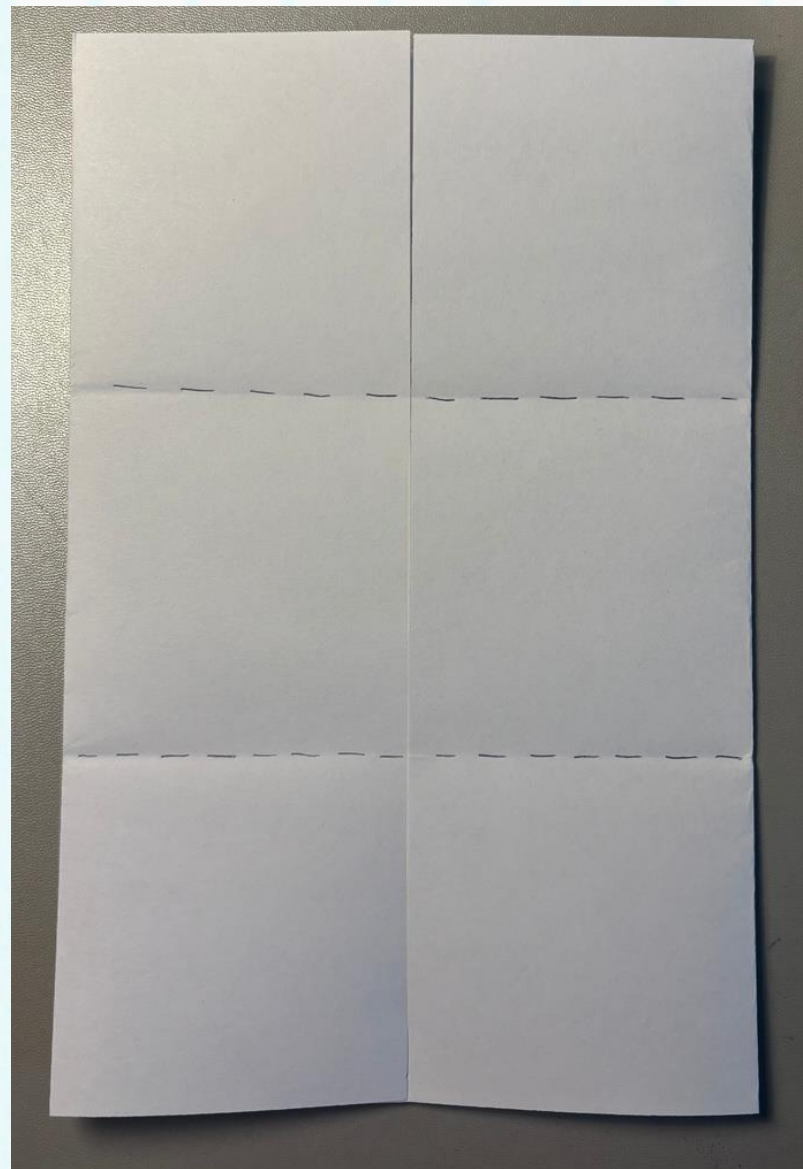
Step 3

Take the bottom half of the page and fold it towards the middle. Then take the top of the page and fold it over the section you just did. After you completed that open the page back up until it looks like the picture on the right.



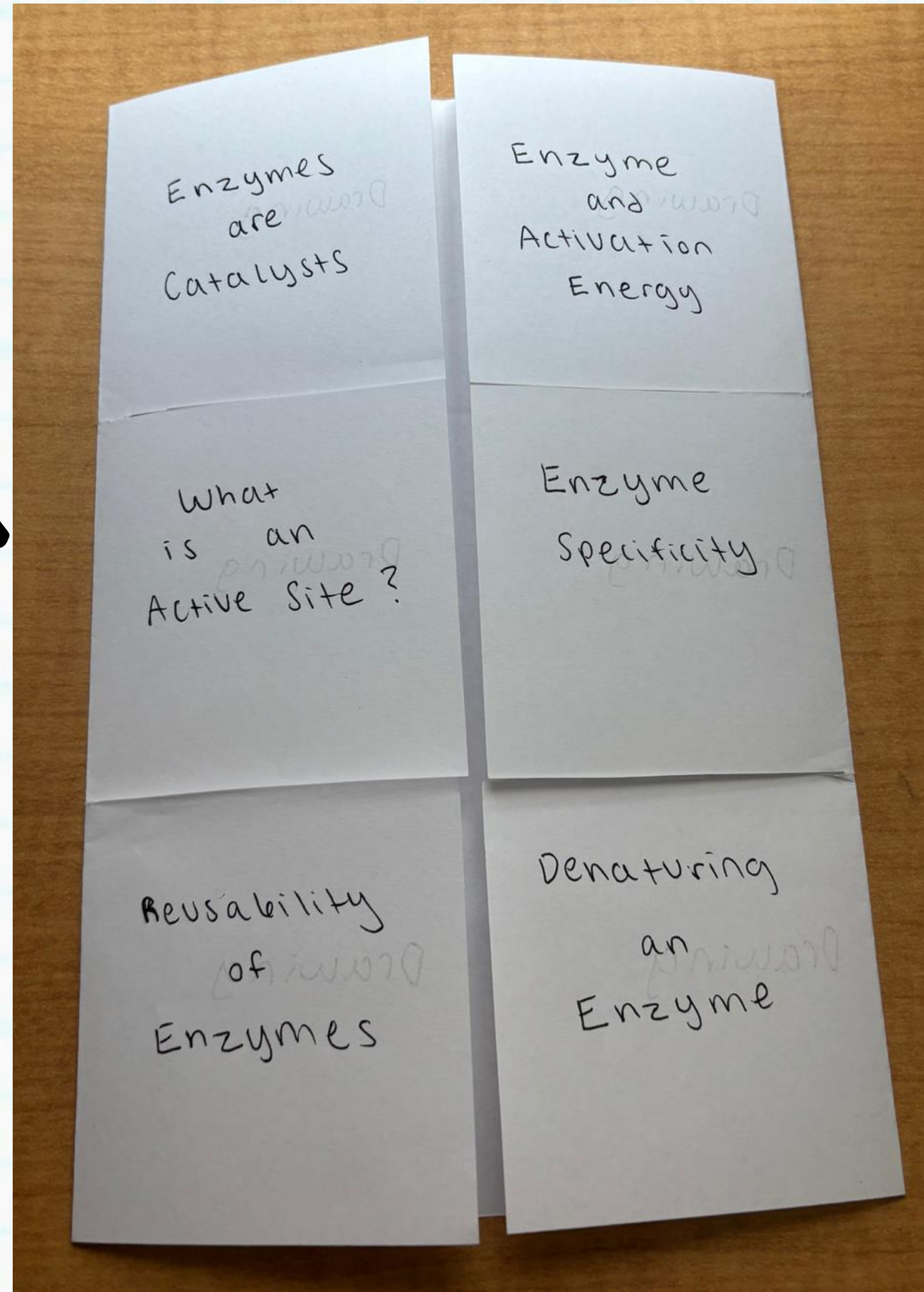
Step 4


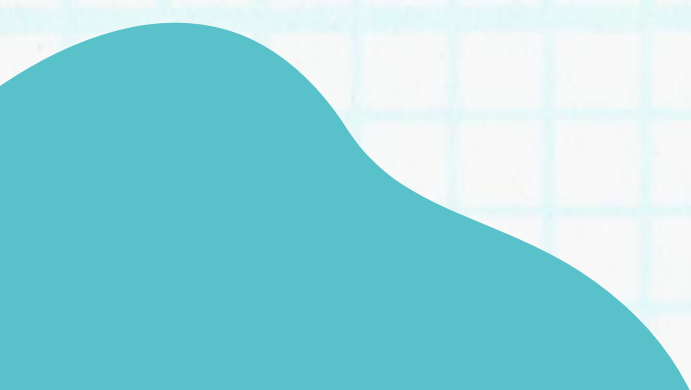


You will then cut along the creases made to create the 6 sections of the foldable.




Step 5

The final step is to copy down the titles in the order they are placed below.

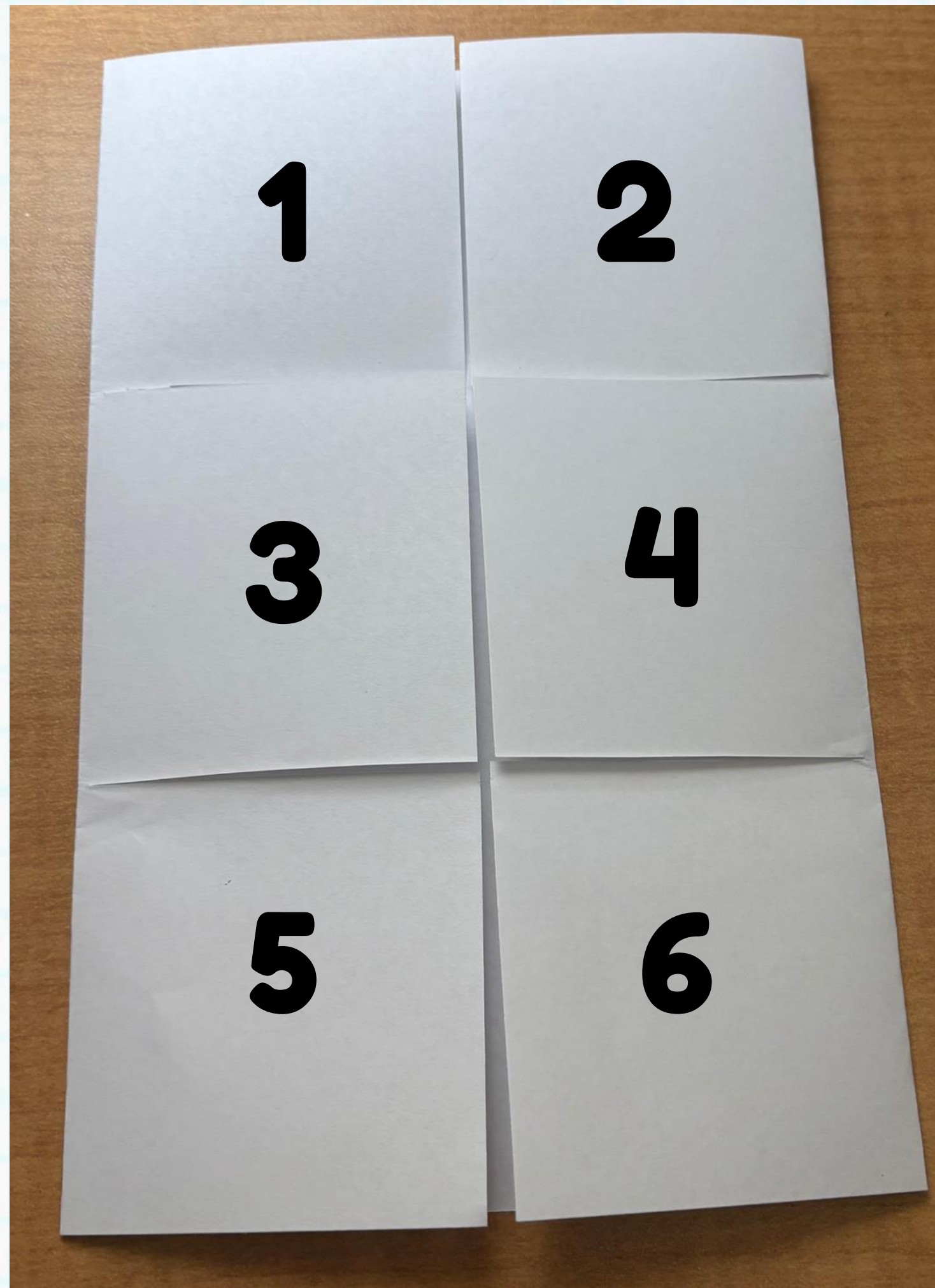





**Now that you're done
folding, it's time to write
down the content! Follow
along each slide and write
both the words and
drawings as they appear on
the pictures.**



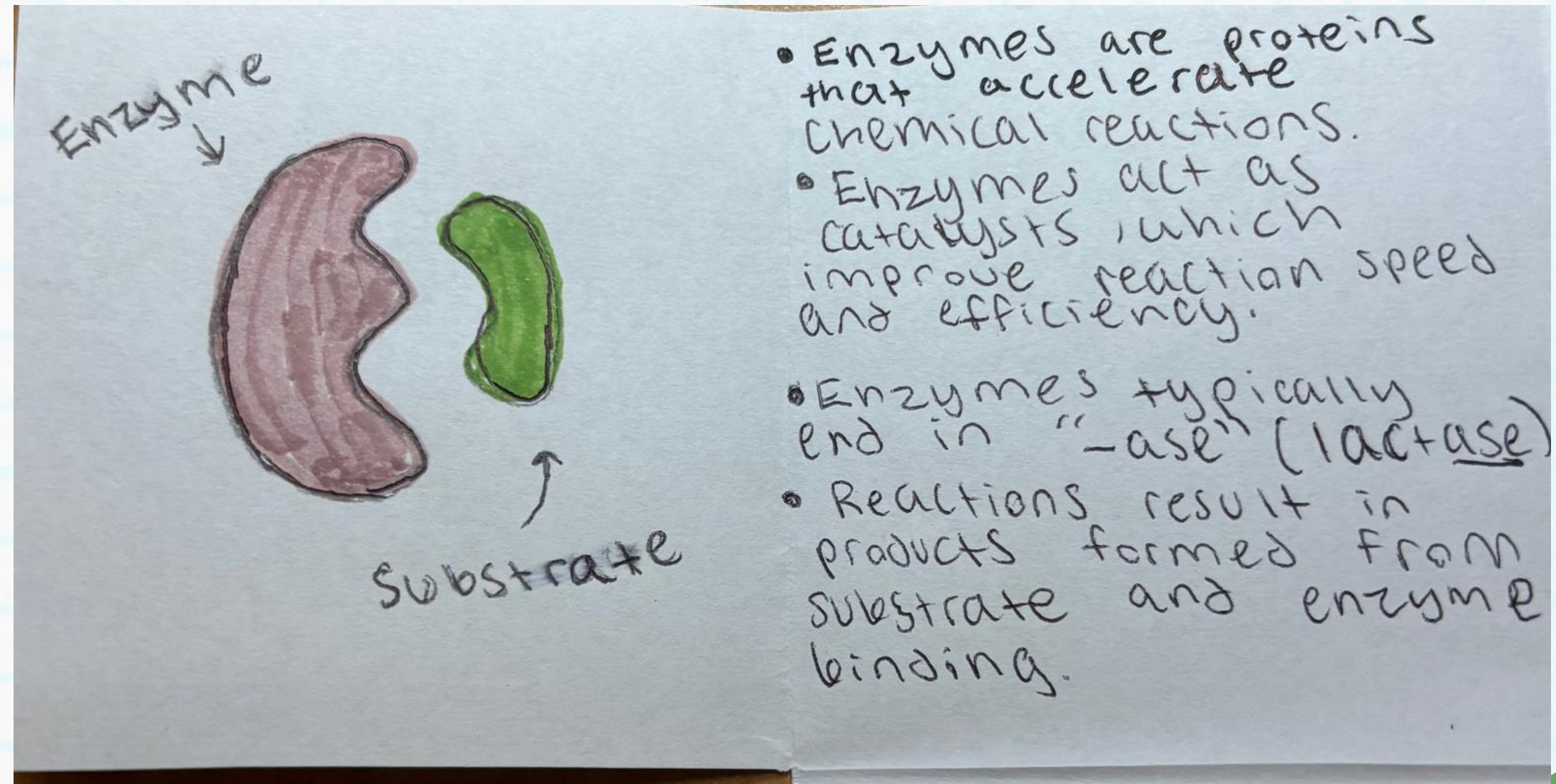
**Follow this
order when
copying
down:**



Enzymes are Catalysts

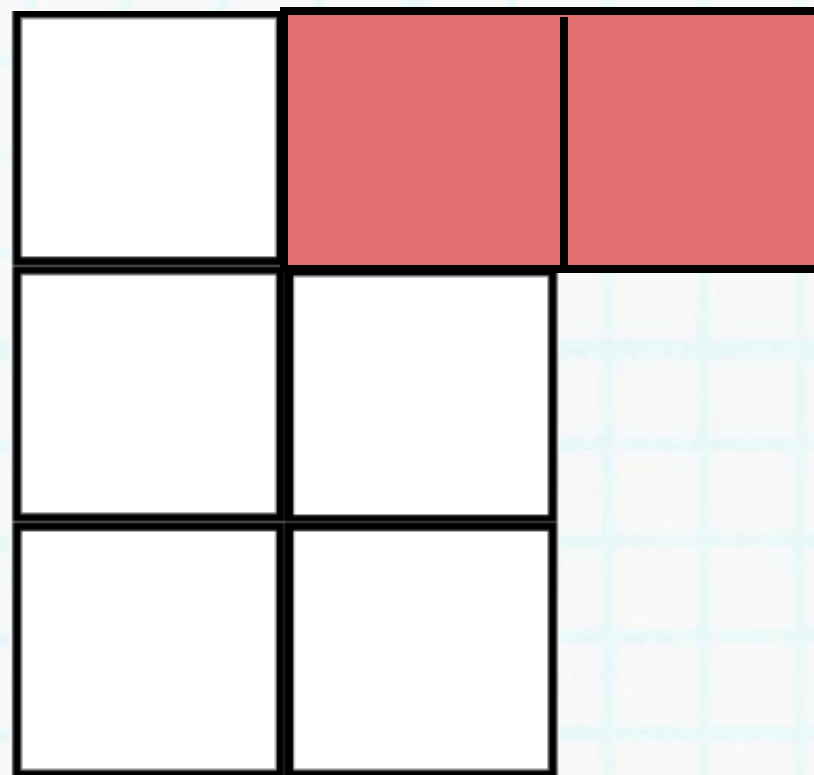
Position on Foldable:

Notes:



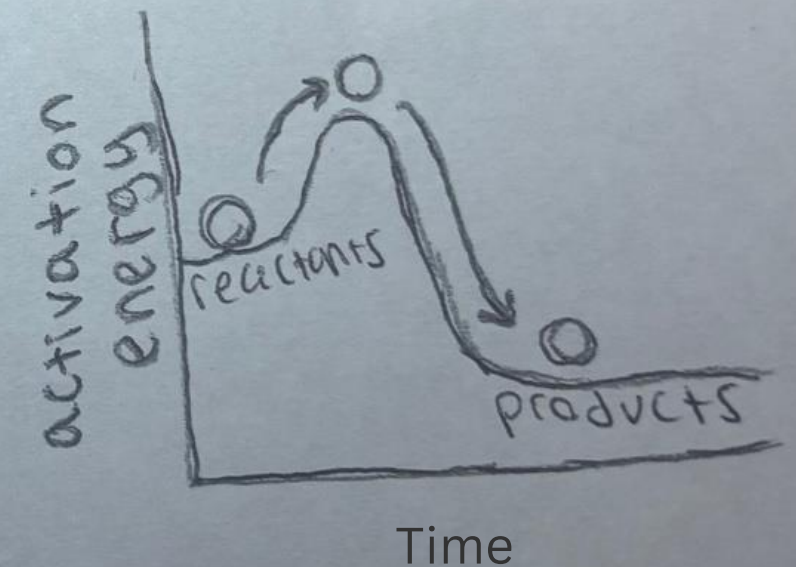
Enzymes and Activation Energy

Position on Foldable:



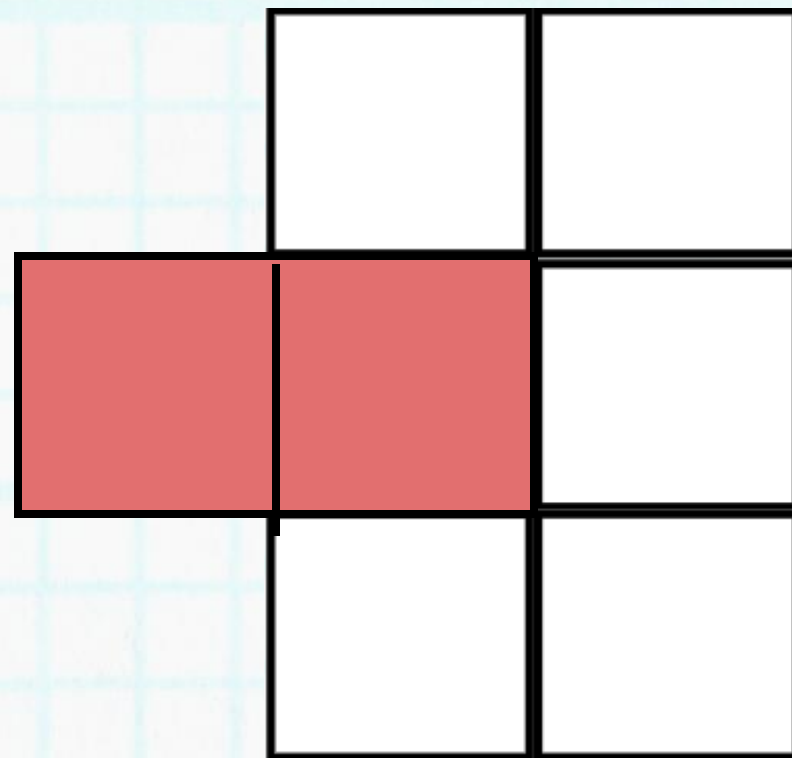
Notes:

- Activation energy is the energy required to initiate a chemical reaction.
- It's like a "push" needed to roll a ball over a hill before it can proceed downhill.
- Enzymes lower activation energy, making reactions occur more easily.

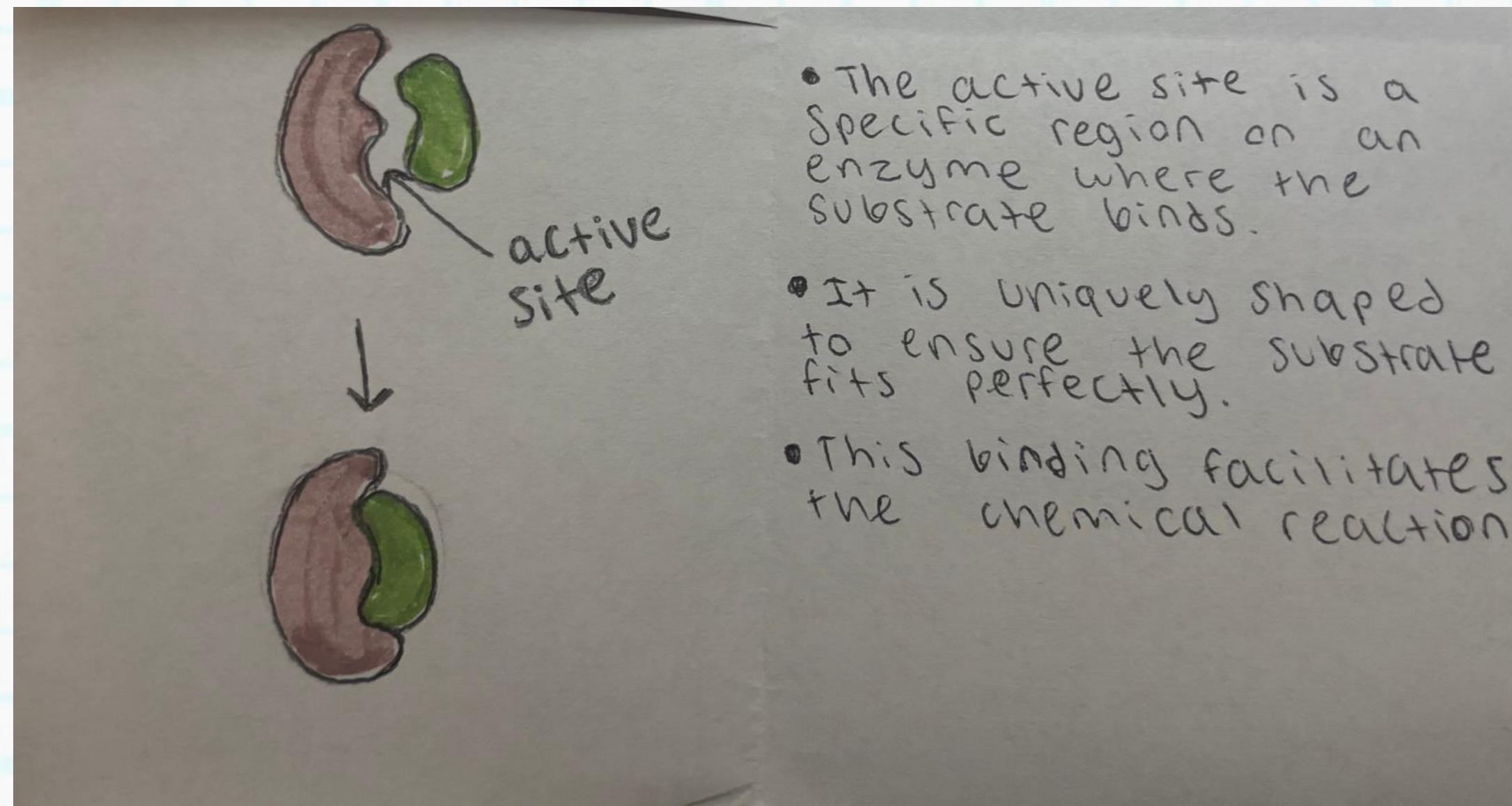


What is an Active Site?

Position on Foldable:

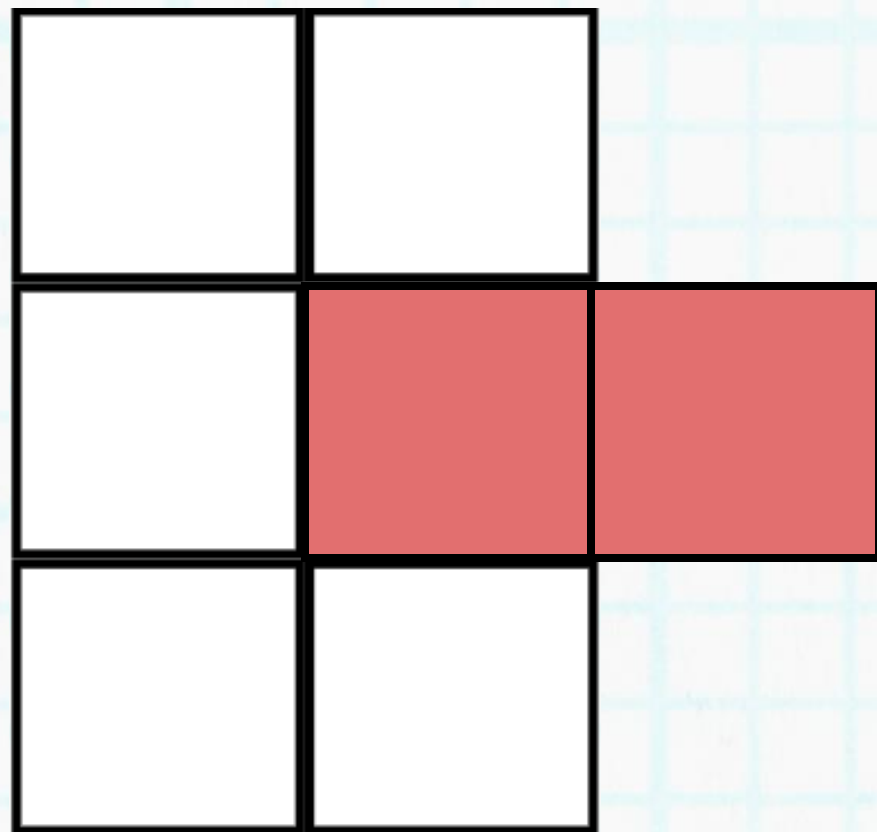


Notes:

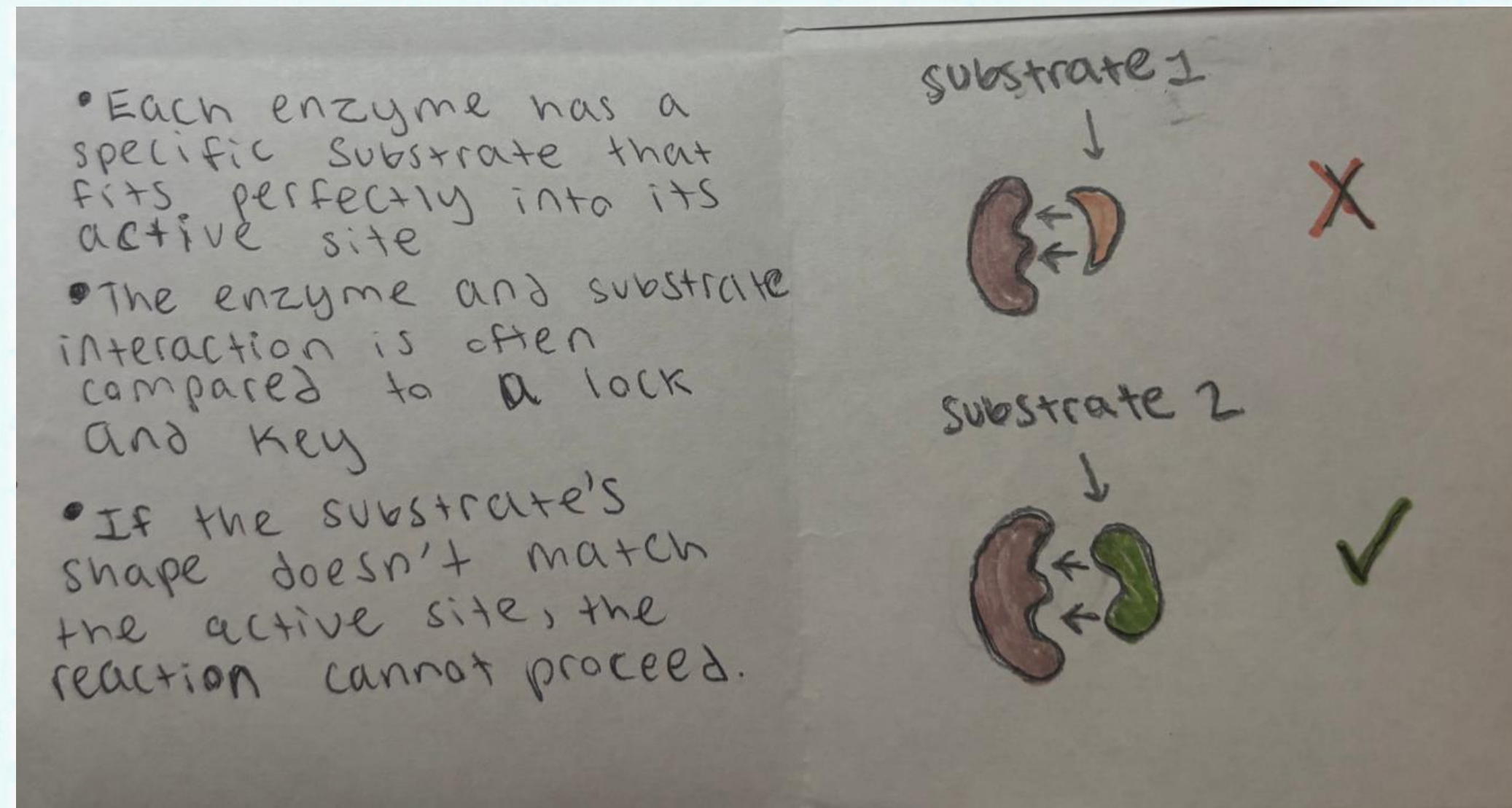


Enzyme Specificity

Position on Foldable:

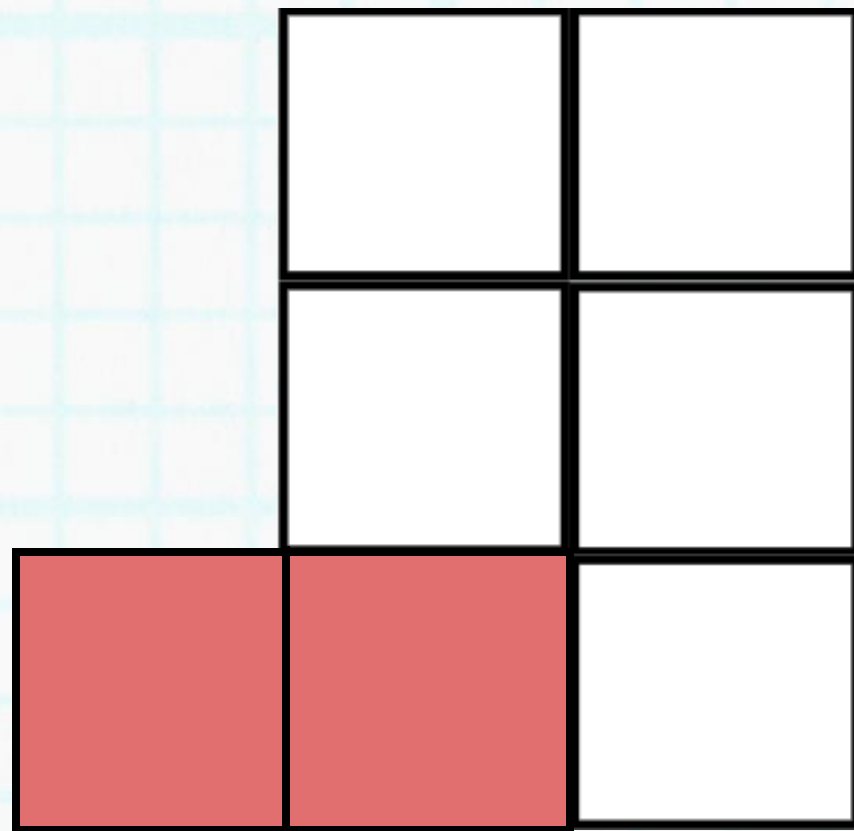


Notes:

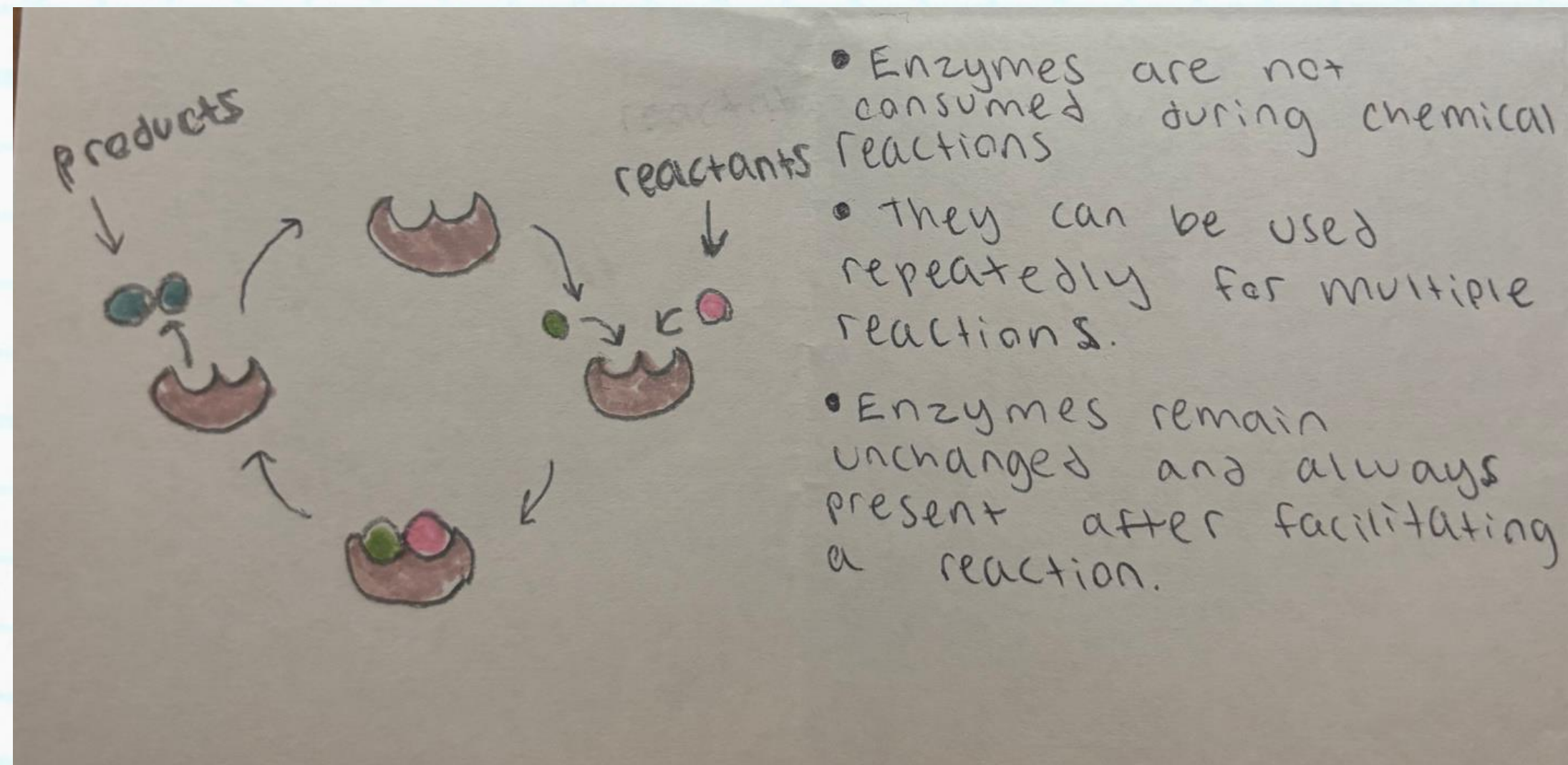


Reusability of Enzymes

Position on Foldable:

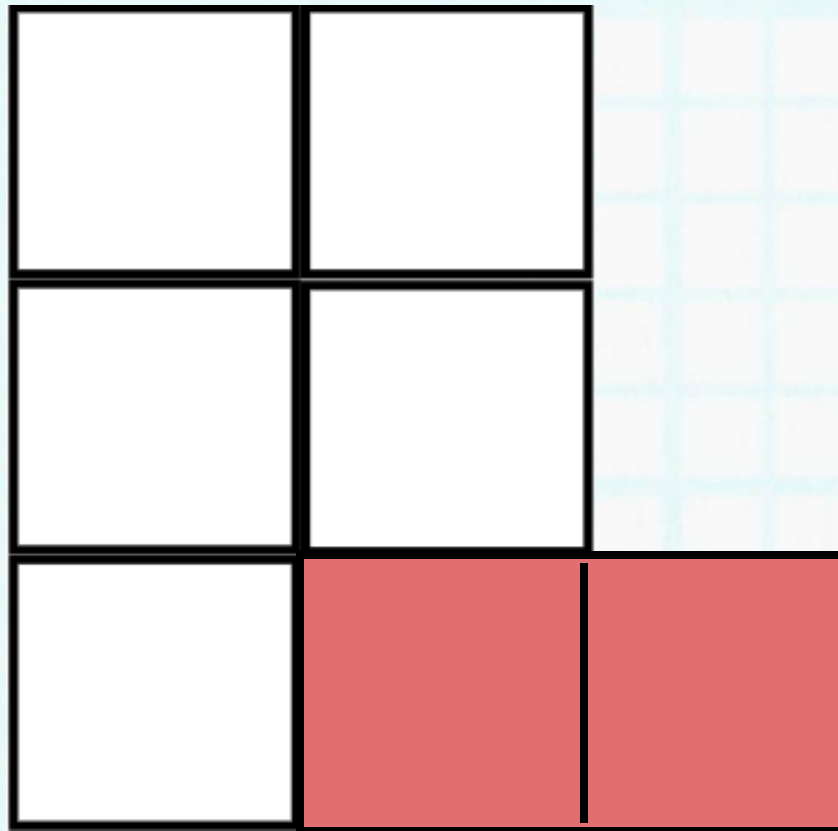


Notes:



Denaturing an Enzyme

Position on Foldable:



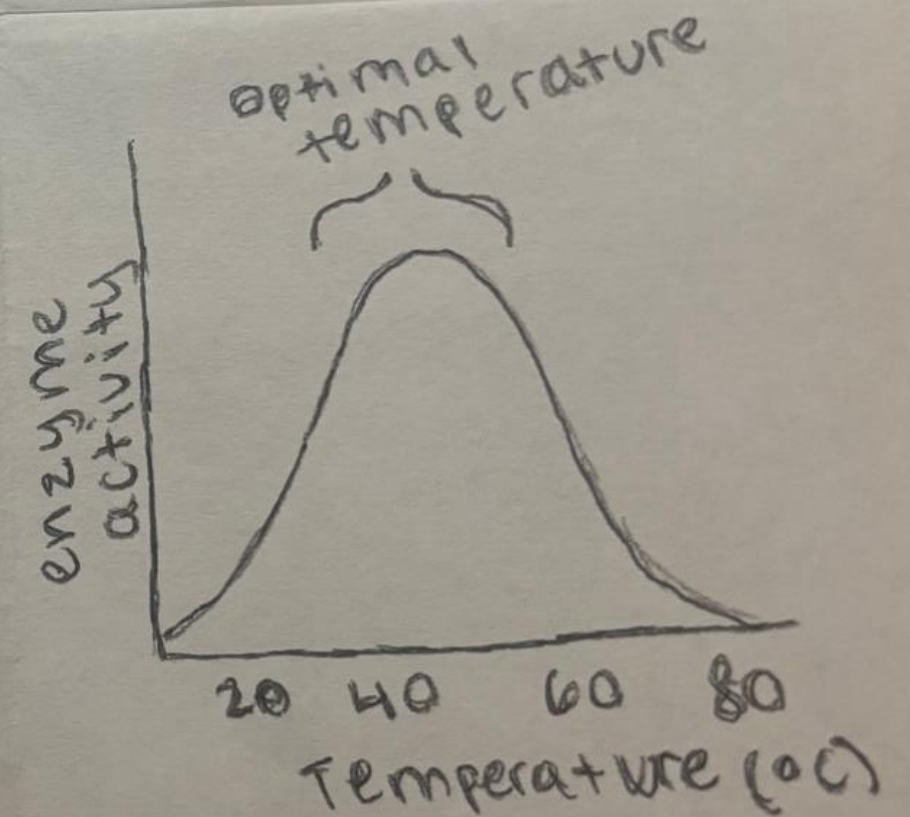
Notes:



- Enzymes function best at specific temperatures and pH levels.

- Example: Stomach enzymes work best in acidic conditions

- Extreme conditions (too hot or too acidic) can cause denaturation

- Denaturing is when an enzyme loses its shape and won't work anymore.





Congratulations!
You are done with
your foldable.

