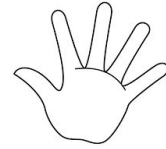


Enzyme Foldable Instructions

Part #1: 5 Facts about Enzymes

Step 1: On a blank piece of colored paper, spread your hand out as wide as possible so that all of it still fits on the paper.

Step 2: Trace around your hand so that your hand print is on the paper. Make sure your fingers are wide and that there is room at the bottom of the page.

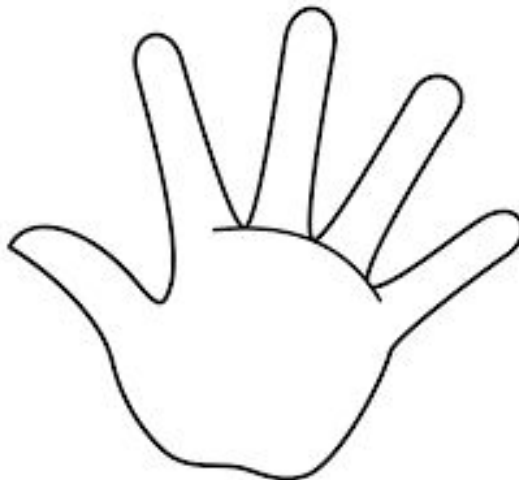


Step 3: Label the top of your paper with the title of the subject “**5 Facts About Enzymes**”

Step 4: Write (the bolded part below) within each of the fingers and thumb the 5 facts that are true of ALL enzymes.

1. Enzymes are **HIGHLY SPECIFIC!**
2. Enzymes are **REUSABLE!**
3. Enzymes are **BIOLOGICAL CATALYSTS!**
4. Enzymes are **FRAGILE – ABLE TO BE DENATURED EASILY!**
5. Enzymes work in **ONE DIRECTION OR THE OTHER, BUT NOT BOTH!**

Step 6: Just outside the fingers, or at the bottom of the page; explain what each of these 5 facts mean in greater detail.



Part #2 - Enzyme Reaction Steps Foldable Instructions

Step 1: Head the paper - **Enzyme Reaction Steps**

Step 2 Divide your paper into 4 equal sections.

1	2
3	4

Step 3: Copy each part of the diagram into the proper section.



Step 4: Label & color the substrate **green** in sections 1, 2 and 3.

Step 5: Label & color the enzyme **red** in all sections (1-4).

Step 6: Label the active site in section 2.

Step 7: In Section 4, label the products & color one **yellow** and one **blue**.

Step 8: Complete the following questions into the proper section.

Section 1: Define the following terms: Enzyme, Substrate, & Active Site

Section 2: What does “Lock and Key”/ “Induced Fit” mean with enzymes

Section 3: Name 4 enzymes in the human body

Step 9: In Section 4: Explain why the substrate is green and the products ended up being different colors.