

## ENZYMES STORIES

Create a creative story or picture story (comic strip) about enzymes. Pick from one of the following examples and create your story

Examples:

1. In the Blood: Nucleotide + Nucleotide → DNA using **DNA polymerase**
2. In the Stomach: Protein → Amino acid + Amino acid using **Pepsin**
3. On the Skin (cut): H<sub>2</sub>O<sub>2</sub> (hydrogen peroxide) → H<sub>2</sub>O + O<sub>2</sub> using **Catalase**
4. In the Mouth: Carbohydrate → Monosaccharide + Monosaccharide using **Salivary amylase**

What to include in your story:

- Create characters and label them the **enzyme, substrate, and product** – **30 pts**
- Have the characters interact with each other in **the setting** of the example you picked (Ex: building DNA from 2 nucleotides will take place in the blood) – **5pts**
- Story includes **one example** from above with correct names listed – **10 pts**
- Must include the words: **activation energy** and **active site** in your story – **20 pts**
- Must include that **enzymes are proteins** in your story – **5 pts**
- Must include that **enzymes cause reactions by lowering the activation energy** – **10 pts**
- Must include that **enzymes are not used up** in the reaction and that **enzymes are specific to what they bind to** – **10 pts**
- State that reaction is **endothermic** or **exothermic** – **10 pts**