

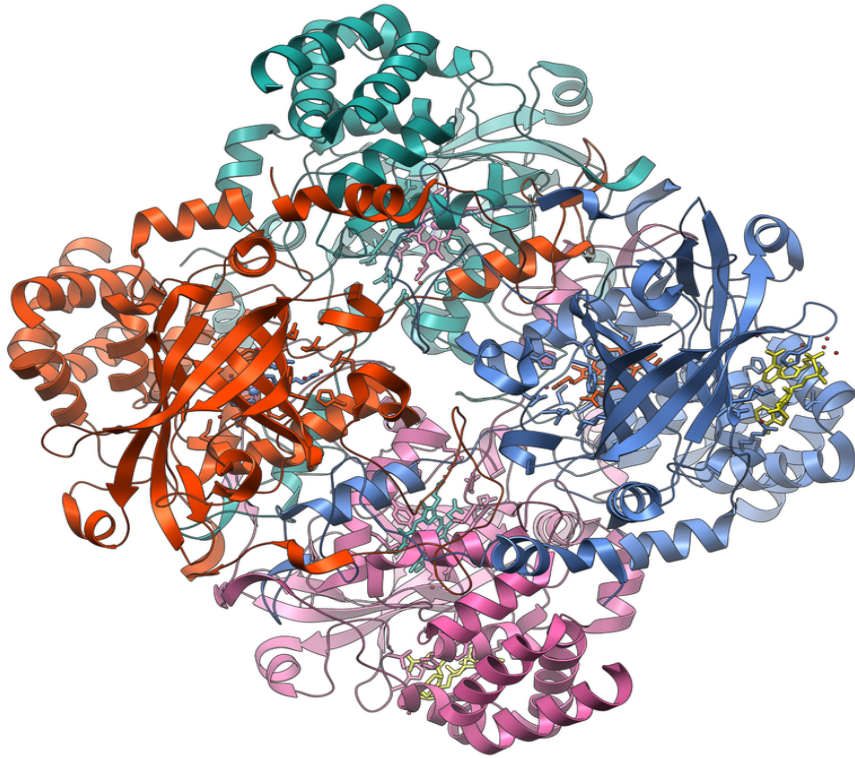


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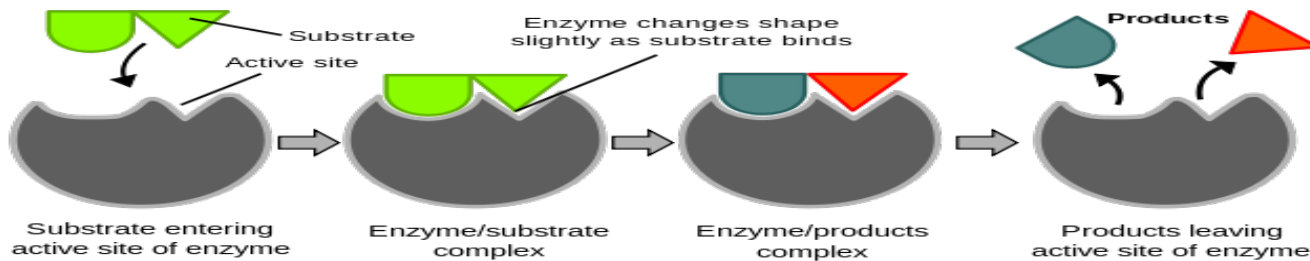
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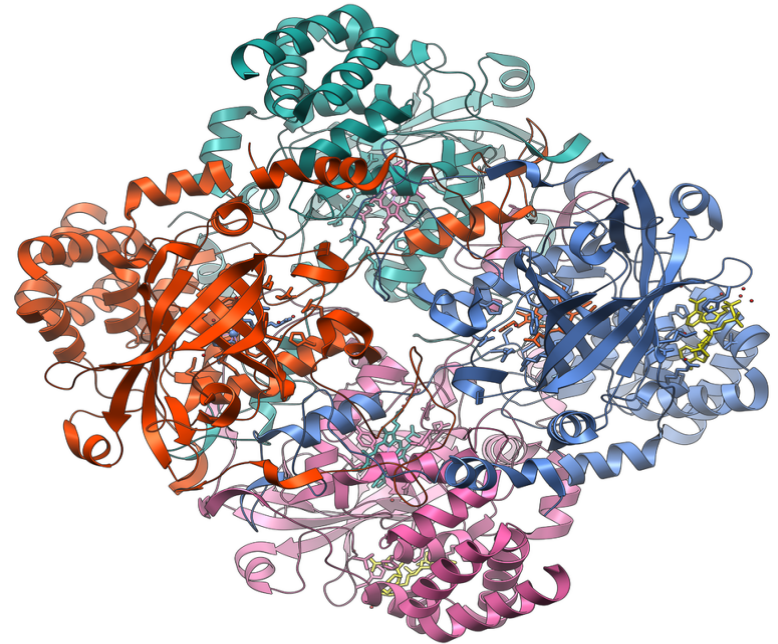
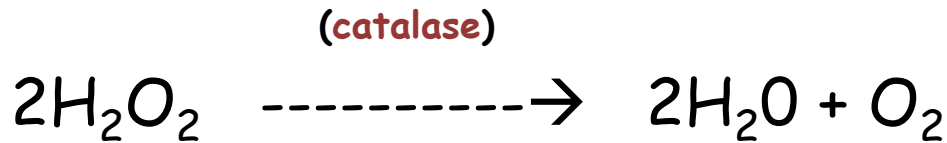


Meet the Enzyme: **Catalase**



Meet the Enzyme: **Catalase**

Reaction:



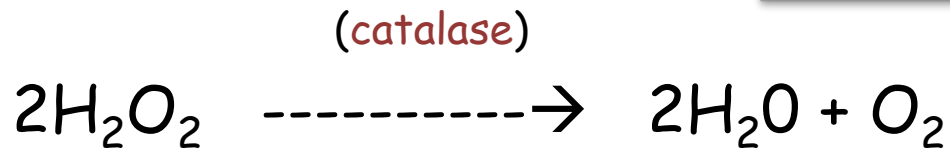
Catalase is an enzyme found in nearly all living organisms exposed to oxygen. It is an important enzyme in protecting cells from oxidative damage.

Catalase catalyzes the decomposition of hydrogen peroxide to water and oxygen.

Catalase is big, a tetramer of four polypeptide chains, each over 500 amino acids long. Iron is its cofactor.

Meet the Enzyme: Catalase

Reaction:



Q: What do you think would happen if these potatoes were put into hydrogen peroxide, instead of water?



Bacterial sample added to hydrogen peroxide.

What are the bubbles made of?

