

Chemical Reactions & Enzymes

Vocabulary Terms

- Chemical Reaction
- Reactants
- Products
- Activation Energy
- Catalysts
- Enzymes
- Substrate
- Active Site

Notes

- What happens to chemical bonds during chemical reactions?
- What happens to carbon dioxide when it enters the blood?
- In the bloodstream, in relation to CO_2 , H_2O and H_2CO_3 , what are the reactants and what is the product?
- When hydrogen and oxygen reaction to form water, is energy released or absorbed?
- When water is broken down, is energy released or absorbed?
- Where do plants get energy from and where do animals get energy from?
- What would happen if a reaction did not have energy activation energy?
- How do enzymes speed up a chemical reaction?
- What is the name of the enzyme that speeds up the carbon dioxide and water reaction in the bloodstream?
- How much faster does the above reaction work when the enzyme is involved?
- How does the active site affect the enzyme reaction?
- Why are enzymes and substrates referred to as a lock & key?
- What type of factors can affect how well enzymes work?

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