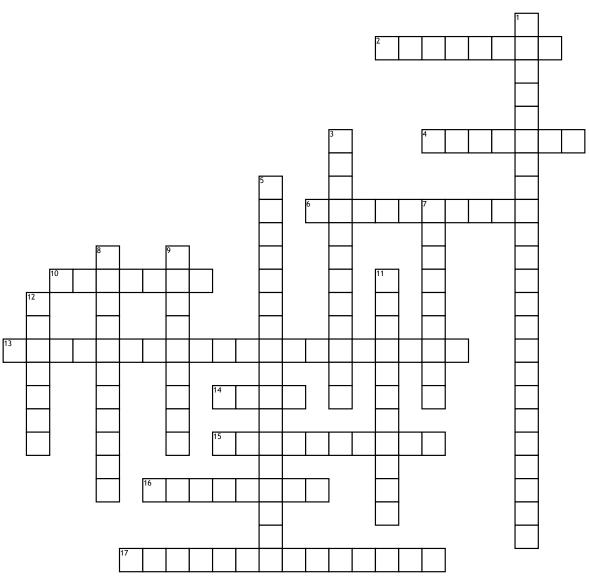
Enzymes



<u>Across</u>

 Nonprotein substance needed by an enzyme for normal activity.
Catalysts that accelerates a specific chemical reaction, usually a protein.

6. When activation site of the enzyme conforms to fit and binds to its substrate is known as

10. Enzymes

reactions.

13. Substance that binds to the active site of an enzyme resulting in a decrease in the rate of the reaction catalyzed by the enzyme.

14. ES complex forms when active site and substrate _____.

15. Deviation from optimal conditions can result in the enzyme.

16. Organic cofactor is known as

17. Enzymes are ____

Down

a

 Binds to enzyme at a site other than the active site, changing the shape of the enzyme.
Coenzymes help in the reaction by ______ electrons or part of a substrate molecule. 5. Needed to start a chemical reaction and the amount required can be reduced by enzymes.7. NADH, NADPH, and FADH2 are coenzymes that transfer

8. Enzymes generally work best under appropriate _____, pH, and ion concentration.

9. Substance on which an enzyme acts

11. Enzymes contain one or more ______ which the

substrate binds.

12. When the enzyme-substrate complex breaks apart, the _______ is released.