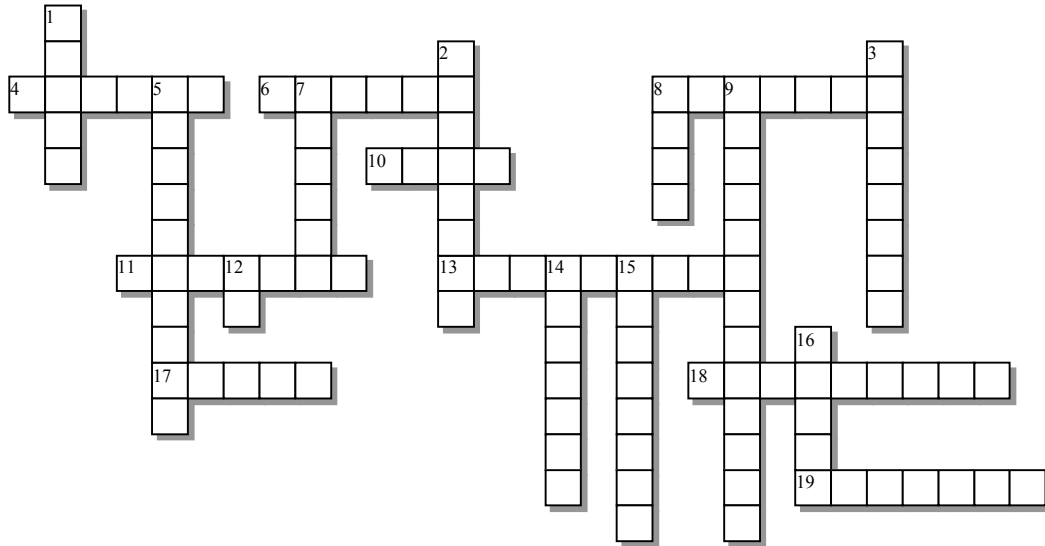


Enzymes!



Across:

- 4 - A protein catalyst
- 6 - This secretion contains enzymes that can break down starch
- 8 - This enzyme breaks down lactose
- 10 - Up to a certain point, more _____ leads to higher enzyme activity
- 11 - Enzymes bond with their substrate, forming an enzyme-substrate _____.
- 13 - The thing an enzyme acts upon
- 17 - An enzyme's _____ determines its function.
- 18 - Several diseases involve an _____ inability to produce certain enzymes
- 19 - After catalyzing a reaction, the enzyme will _____ the products

Down:

- 1 - Enzymes put stress upon the substrate's chemical _____
- 2 - Something that speeds up a reaction without itself being changed.
- 3 - Too much heat, or a change in pH, can _____ an enzyme
- 5 - The sum total of all of the chemical reactions that occur in an organism
- 7 - The _____ site is where an enzyme binds to its substrate
- 8 - _____ is to key as enzyme is to substrate
- 9 - The shape of an enzyme is _____ to the shape of the substrate
- 12 - A minor change in _____ can alter an enzyme's activity level.
- 14 - An organ with enzymes that work best in acidic environments
- 15 - The _____ in an enzyme catalyzed reaction is the substrate
- 16 - A high _____ can change the shape of many enzymes, interfering with metabolism

Possible Answers:

active, bonds, catalyst, complementary, complex, denature, enzyme, fever, heat, inherited, lactase, lock, metabolism, pH, reactant, release, saliva, shape, stomach, substrate