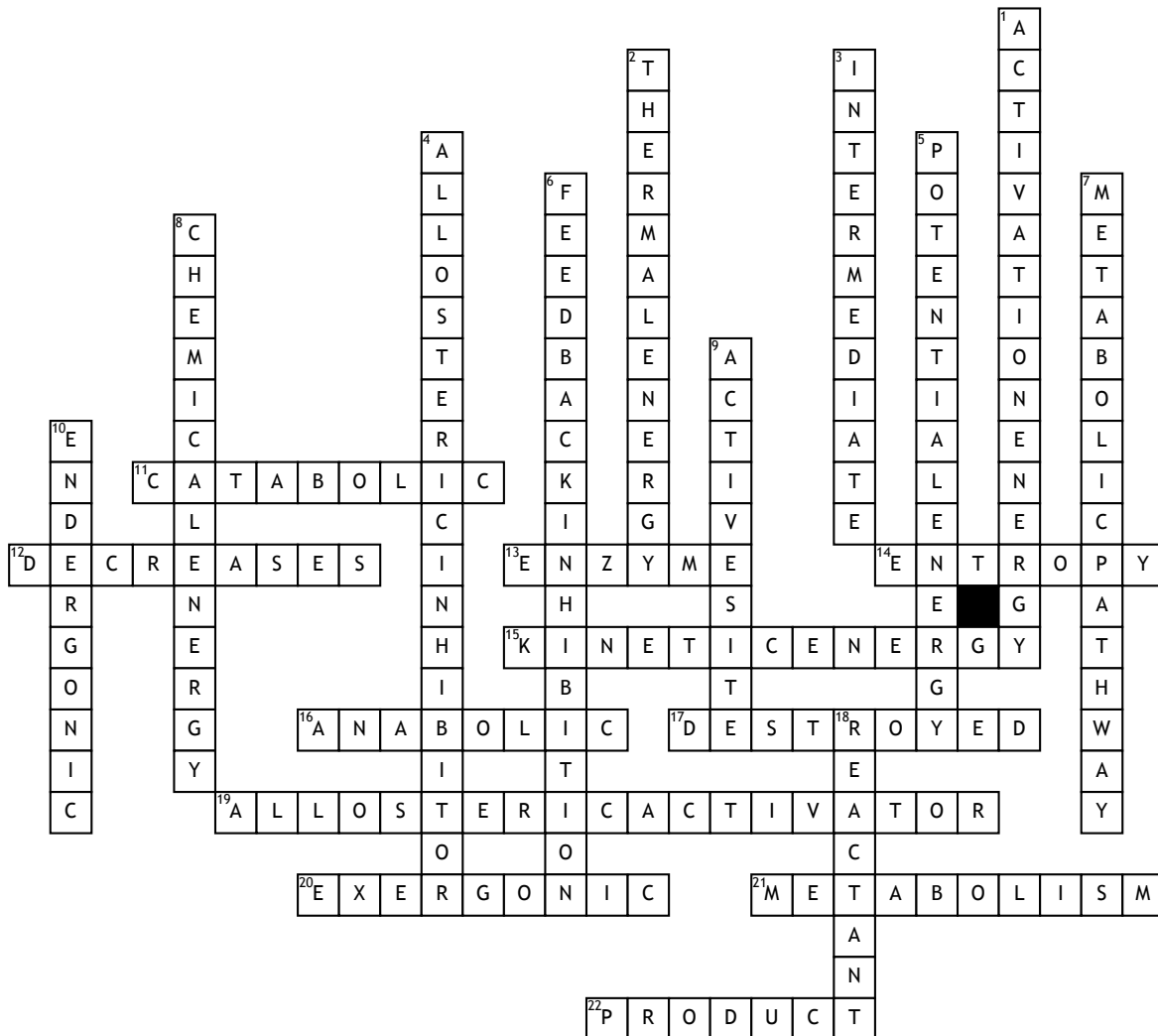


# Energy and Enzymes



## Across

11. Reactions which break things down
12. As potential energy goes up, kinetic energy
13. Enhances the rate of the reaction
14. Measure of disorder
15. The energy of motion
16. Reactions in which things are made
17. Energy cannot be created nor
19. Changes shape of active site to allow substrate

20. Not using energy; entropy increases

21. Cell's capacity to acquire energy and use it

22. The end of the metabolic reaction

## Down

1. Minimum amount of collision energy required
2. Energy lost during energy transfers
3. Between start and end of reaction
4. Changes shape of active site to prevent substrate

5. The capacity to do work; stored energy

6. In which the metabolic pathway is turned on or off

7. Carries out metabolism

8. A type of potential energy in molecules

9. Pocket or crevice on an enzyme where substrates bind

10. Energy is required

18. Starts the metabolic reaction