

3 • Biochemistry – Review

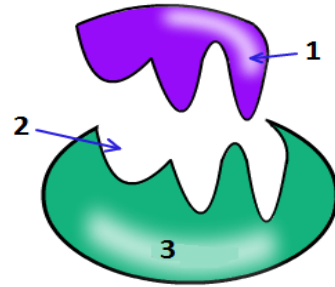
Place the term in the blank that most fits the given description. Answers may be used more than once.

- _____ 1. General term compound that contain carbon
- _____ 2. Describes bonds in which atoms share 2 pairs of electrons
- _____ 3. Describes compounds made of many monomers joined together
- _____ 4. A reaction that breaks down polymers by adding water
- _____ 5. The molecule that is the energy currency of cells
- _____ 6. The building blocks of carbohydrates
- _____ 7. The name of sugars end in ____ & enzymes end in ____ respectfully.
- _____ 8. Table sugar is a [lipid, carbohydrate, protein, or nucleic acid]
- _____ 9. Name of the polysaccharide that makes up cell walls
- _____ 10. Substances that speed up chemical reactions in cells
- _____ 11. A reaction that joins monomers and builds polymers by removing water
- _____ 12. Group of organic molecules mad of C, H, and O in a 1:2:1 ratio
- _____ 13. The building blocks of proteins
- _____ 14. The building blocks of lipids
- _____ 15. The building blocks of nucleic acids
- _____ 16. The number of different kinds of amino acids
- _____ 17. The type of fatty acid that has all C-C single bonds-maxed on H atoms
- _____ 18. Name of a fat that consists of three fatty acids and glycerol
- _____ 19. Nucleic acid made of a single strand of nucleotides-role making proteins
- _____ 20. The number of bonds a carbon atom tends to form
- _____ 21. General term for small molecules that are the building blocks of large molecules
- _____ 22. The general name for double sugars
- _____ 23. Polysaccharide made by plants to store energy
- _____ 24. Polysaccharide made by animals to store energy
- _____ 25. Name for the type of bond that holds amino acids together
- _____ 26. The substance on which an enzyme acts
- _____ 27. The place on an enzyme where the substrate fits
- _____ 28. Two factors that can affect enzymes
- _____ 29. Enzyme that helps to breakdown hydrogen peroxide
- _____ 30. Molecule that makes up the cell membrane
- _____ 31. Nucleic acid made of two strands of nucleotides-store genetic info
- _____ 32. General type of triglyceride that is solid at room temp

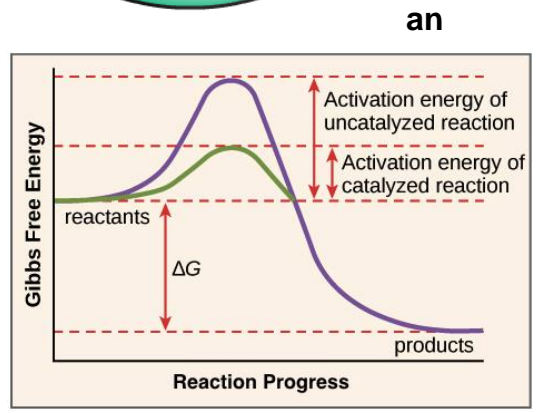
Enzymes: Identify the parts indicated and place the name of the part in the blank.

1. _____
2. _____
3. _____

5. What is the significance of this molecule?



Look at the diagram provided above and explain how enzyme speeds up a chemical reaction.



Molecular Diagram: Identify the molecules below:

