Name	
Period	Date

Name the following expressions:

- 1. C
- 2. H₂O
- 3. Na⁺ Cl⁻
- 4. H⁺ (OH)⁻
- 5. H⁺ Cl⁻
- 6. CO₂
- 7. O_2
- 8. O
- 9. Which of these indicates ionic bonds?
- 10. Which of these indicates covalent bonds?
- 11. Which two expressions are the same compound?
- 12. Which of these does not exist as expressed?
- 13. Which of these when added to water will change the pH? How will the pH be affected? Why?

Molecular components: 1. Name each 2. Which building block contains it?

14.

-C-0-H

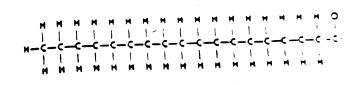
Building Blocks: 1. Name each 2. Of which class of molecules is each a building block?

Match the expressions.

28.

Miscellaneous Questions

36. Which of these fatty acids is unsaturated? How do you know? Why is this significant?



37. Do the following: 1. On each arrow indicate one of the following reactions: condensation synthesis or hydrolysis. 2. Highlight the atoms "removed". 3. Put an * on the peptide bond. 4. Put a @ on the glycosidic inkage.

What is required, but not shown, that is needed to speed up each of these reactions?

Enzymes

- 38. What are enzymes? Give a structural and functional definition.
- 39. Why are they important?
- 40. What factors influence their effectiveness?
- 41. What does it mean that enzymes are specific?
- 42. How are enzymes related to heredity?