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5. Name 4 major groups of organic compounds.

a. _____

b. _____

c. _____

d. _____

6. What 3 elements form carbohydrates?

a. _____

b. _____

c. _____

7. Origin of carbohydrates.

a. Carbohydrates are produced by _____

b. What is the chemical formula for sugar _____

c. What is the chemical formula for starch _____

8. What 5 elements form proteins?

a. _____

b. _____

c. _____

d. _____

e. _____

9. What kind of smaller molecules make up long protein chains?

a. Proteins are long chains of _____ molecules.

b. How many types of amino acids form proteins? _____

c. What kind of proteins speed up chemical reactions? _____

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10. What class of organic compounds do fats, oils and wax belong to? _____
- a. What other smaller organic molecules are chained together to form lipids?

- b. What part of a cell would you find cholesterol? _____
11. What 4 elements are nucleic acids made of?
- a. _____
- b. _____
- c. _____
- d. _____
12. Why are nucleic acids important?
- a. Nucleic acids contain the _____ to carry out all _____ of life.
- b. Name two kinds of nucleic acids. _____, _____
13. What molecule contains our genetic code? _____
- a. What are genes made of? _____
- b. What dictates what we look like? _____
14. What kind of nucleic acid dictates what kind of protein a cell produces? _____