

Unit 6, Lesson 2, Chemistry of Life Digital Lesson

Atoms

1. Atoms are more than _____ empty space.

Building Blocks

2. The 6 most common _____ found in living things are:
3. An _____ is the building block of all _____ and _____-living things.
4. A _____ is made when _____ or more atoms combine.
5. A _____ is a substance made up of _____ or more _____ elements joined by _____ bonds.

Polymers and Nutrients

6. All organisms need certain materials to _____ and support _____ functions.
7. Organisms use nutrients such as _____, _____, and _____ for energy and as building materials.
8. _____ acids are another important _____ used by organisms. These molecules contain _____ for cell _____.

Proteins

9. _____ are used to _____ and _____ body structures and _____ life processes.
10. Enzymes _____ chemical reactions that are essential for _____ in cells.

Carbohydrates

11. Include _____, _____ and fiber.
12. All carbohydrates are a source of _____ and _____ energy.

Lipids

13. _____ and olive _____ are two examples of lipids.
14. Lipids store _____.
15. A special type of lipid, call a _____, forms cell membranes.

Nucleic Acids

16. Nucleic acids are the _____ - _____ molecules of the cell.
17. _____ and _____ are examples of nucleic acids.
18. _____ carries hereditary information as well as instructions and templates for making _____.

Phospholipids

19. Phospholipids are a special type of _____ that make up the _____ that surrounds every cell.

Water

20. It makes up almost _____ - _____ of the mass of the cell.