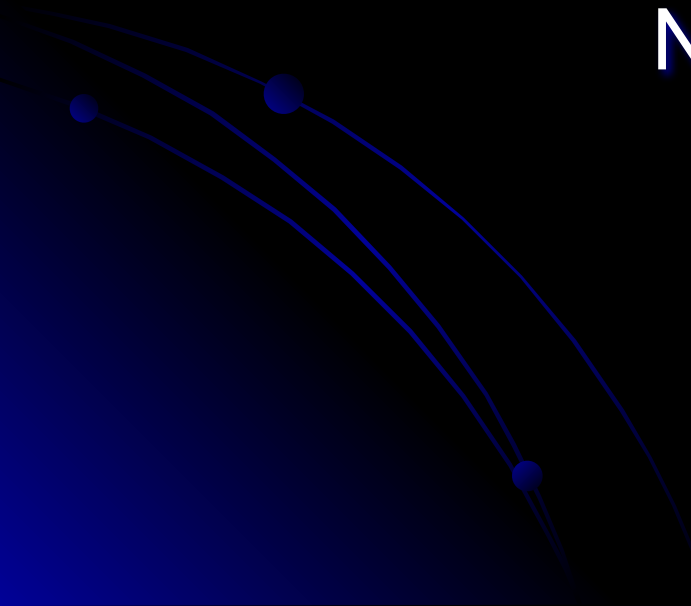


Basic Chemistry

Nature of Matter



How many atoms are there?

A PERIODIC TABLE OF VISUALIZATION METHODS

Data Visualization
Best representation of quantitative data is achieved from either web or software only.

Information Visualization
The use of interactive visual representations of data is not fully supported. The reason that this data is considered less on a map is a matter to screen space. The map can be changed by users in the general setting with a:

Concept Visualization
Methods to illustrate visually abstract concepts, ideas, plans, and designs.

Strategy Visualization
The systematic use of comparisons that represent data in the context, development, formation, evolution, status, and implementation of strategies in organizations.

Metaphor Visualization
Using familiar objects, information graphics, or other graphic and structure information. They also serve as a metaphor about the represented information through the characteristics of the metaphor that is employed.

Compound Visualization
The systematic use of different graphic elements, these elements is one single reference or theme.

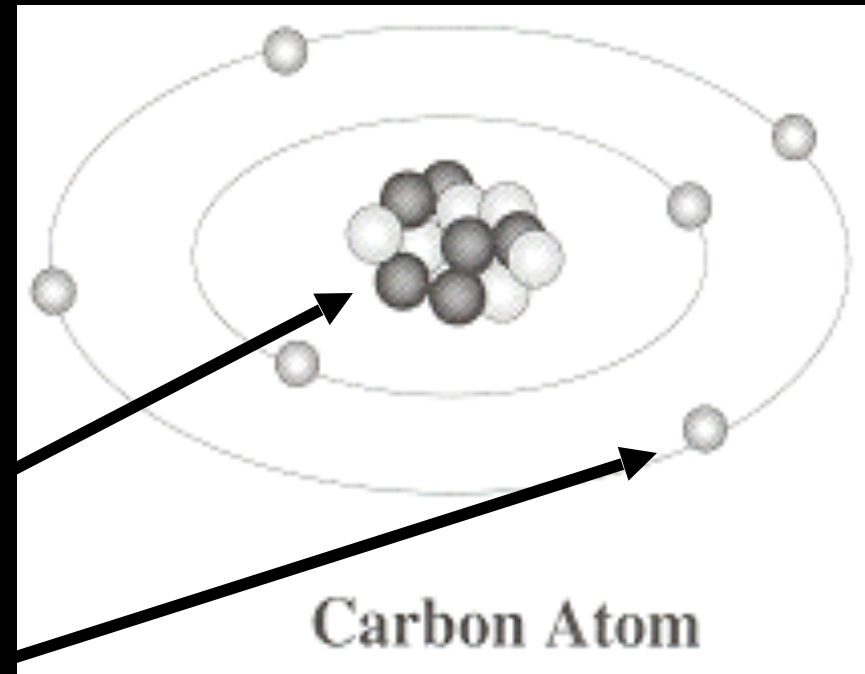
Process Visualization
Hy Structures Visualization

Overview
Detail
Detail AND Overview
Divergent thinking
Convergent thinking

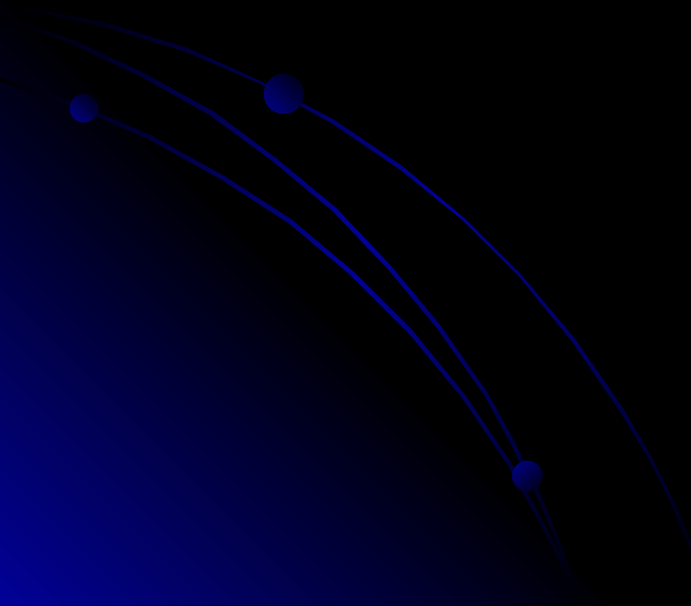
- There are about 114 different types of atoms known on Earth.
- All listed on the Periodic Table of Elements

Atoms

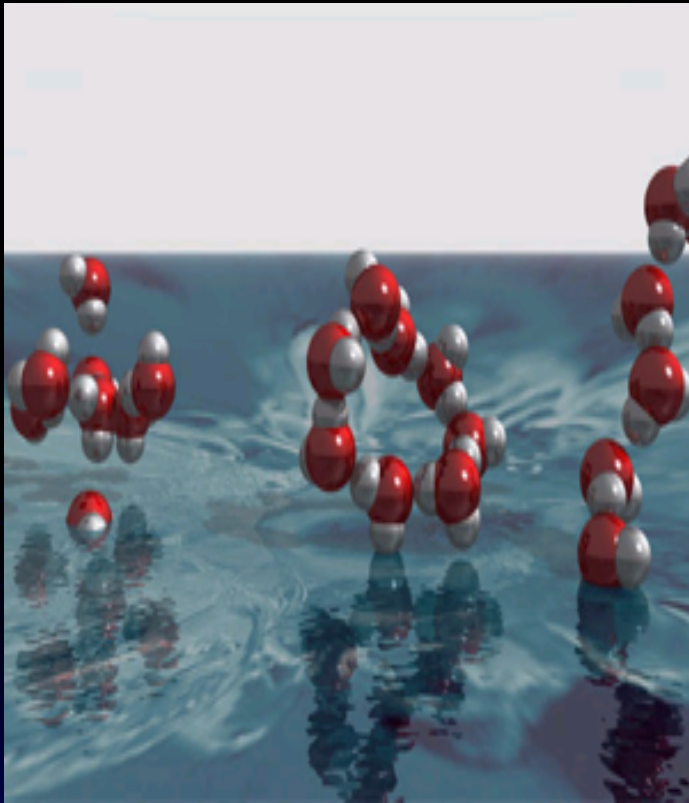
- The simplest particle of an element that has all of the properties of that element
- Made of *protons*, *neutrons* and *electrons*



Important Biological Atoms

- Hydrogen – H
 - Oxygen – O
 - Nitrogen - N
 - Carbon – C
 - C, O, H are found in each of the 4 macromolecules
 - N is found in Proteins and Nucleic Acids
- 

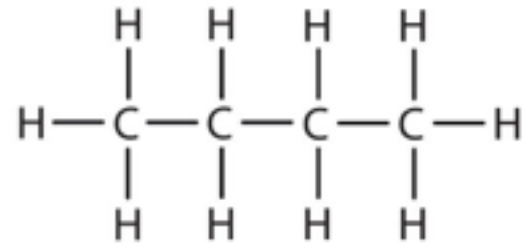
Molecules



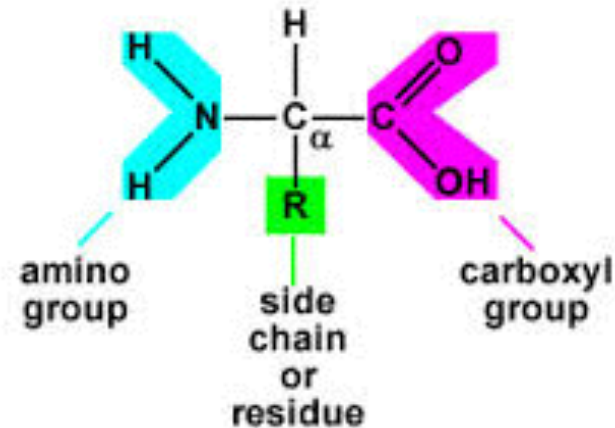
- Formed when two or more atoms bond together
- They can be small or very large

How Biological Molecules Bond

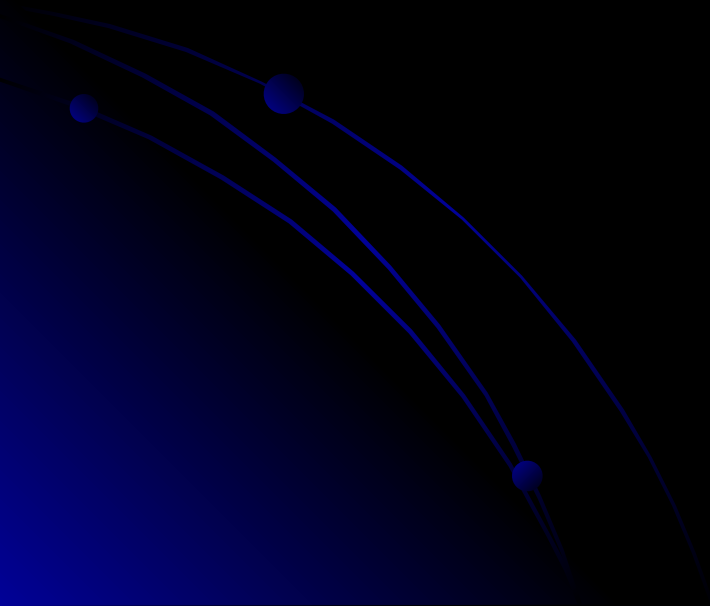
- Hydrogen - can form only 1 bond
- Oxygen – can form 2 bonds
- Nitrogen – can form 3 bonds
- Carbon - can form 4 bonds
- HONC - 1234
- These bonds can form multiple bonds in some situations



Generalized Amino Acid Structure



END



On the back of your paper please sketch this molecule of
GLUCOSE, you will need to make sure it has all of the atoms
($C_6H_{12}O_6$)

