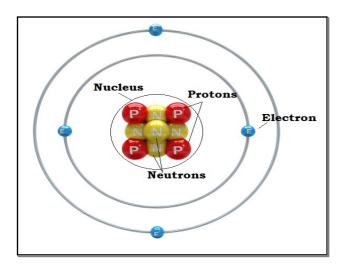
Chemistry of Life Get a textbook Turn to page 66

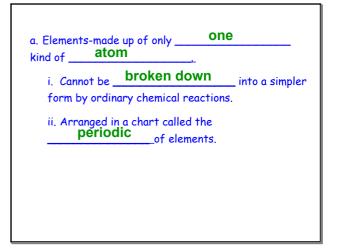
Nov 6-10:20 AM

The Nature of Matter
Everything around you is made of and and and
a. Matter is anything that has <u>mass</u> and takes up <u>space</u>
b. Energy can hold <u>matter</u> together or break it apart.
c. Matter is made of <u>atoms</u> .
i. A nucleus contains protons and neutrons
ii. Outside the nucleus are <u>electrons</u> , which are involved in <u>chemical reactions</u> .

Nov 6-10:22 AM



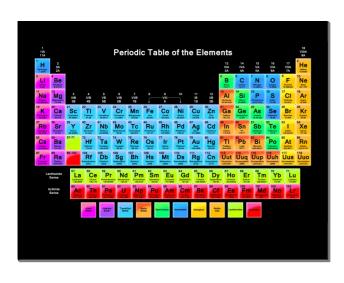
Nov 6-11:00 AM



Nov 6-11:01 AM

a. Compounds - made of two or more ___elements in exact

proportions.



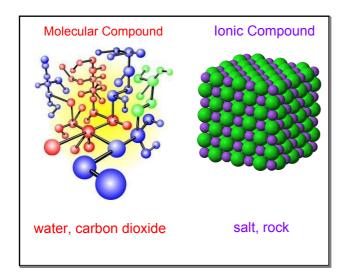
i. Have properties that are different from elements they are made of
ii. TWO TYPES:

1. Molecular Compound
a. Molecule - group of atoms held together by the energy of a chemical bond
b. Formed when atoms share electrons

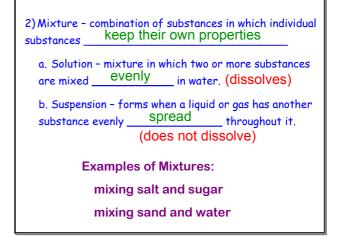
2. Ionic Compound
a. Ions - electrically charged atoms, positive or negative
b. Ions of Opposite charges attract to form neutral compounds

Nov 6-11:03 AM Nov 6-11:05 AM

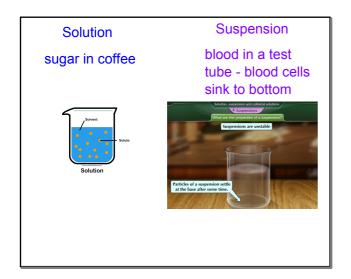
1



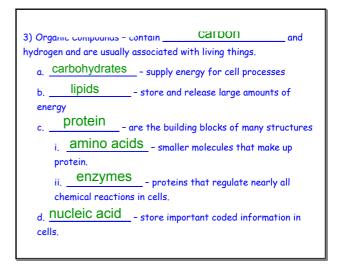
Nov 6-11:12 AM



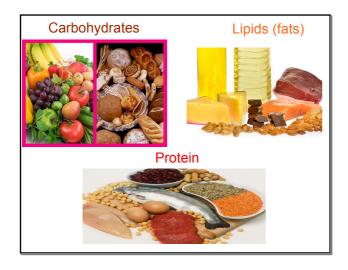
Nov 6-11:18 AM



Nov 6-11:21 AM



Nov 6-11:35 AM



Amino Acids

19 essential to keep your body going
10 are made by your body
9 must be obtained from food

Break down food
Grow
Repair body tissue
give you energy

Nov 6-11:40 AM Nov 6-11:43 AM

2

http://highered.mcgraw-hill.com/sites/0072495855/student_view0/chapter2/animation_how_enzymes_work.html

4) Inorganic compounds – usually made from elements other than carbon

- 5) Importance of water

 - b. All chemical reactions in living things take place in water solutions
 - c. Most living things use water to transport materials through their bodies.

Nov 6-11:48 AM Nov 6-11:52 AM

	Carbohydrates	Lipids	Proteins	Nucleic Acids
Elements				
Examples				
Function				

n	Vocabulary
Mixture	
Organic Compound	
Enzyme	
Inorganic Compound	

Nov 6-12:06 PM Nov 6-12:07 PM