



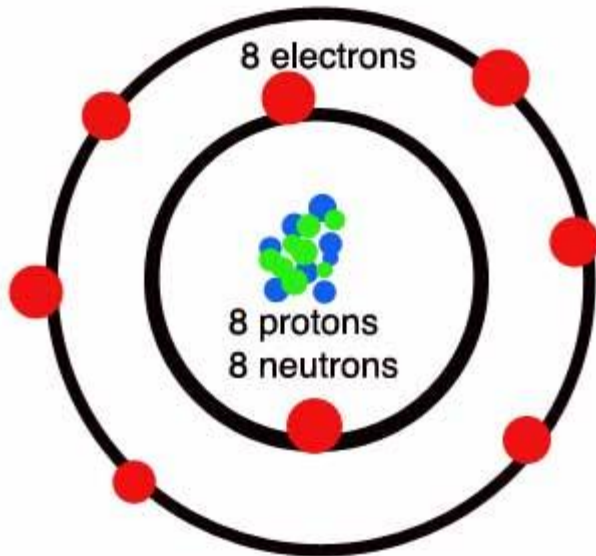
Reporting Category 1

8th
Grade
Science
STAAR

The _____ is the positively charged particle of the atom found in the nucleus.

The _____ is the neutrally charged particle of the atom found in the nucleus.

The _____ is the negatively charged particle of the atom found in the electron cloud.



Most the mass of an atom is in the _____.

Proton

Neutron

Electron

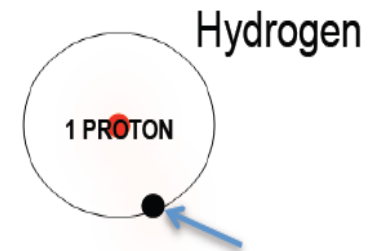
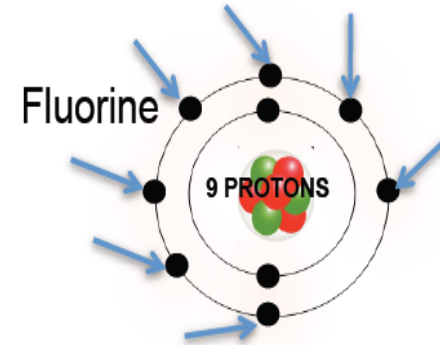
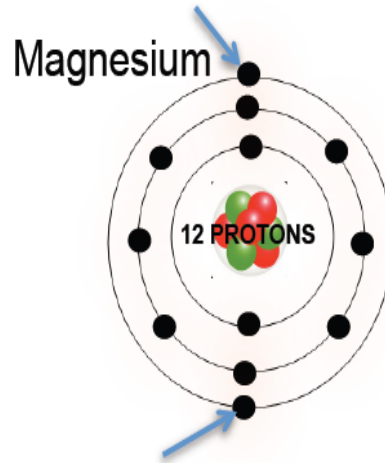
Nucleus

What is used to identify atoms? _____

How many
valence electrons
does magnesium
have? _____

Fluorine
have? _____

Hydrogen
have? _____



Valence electrons determine an atoms _____.

Protons

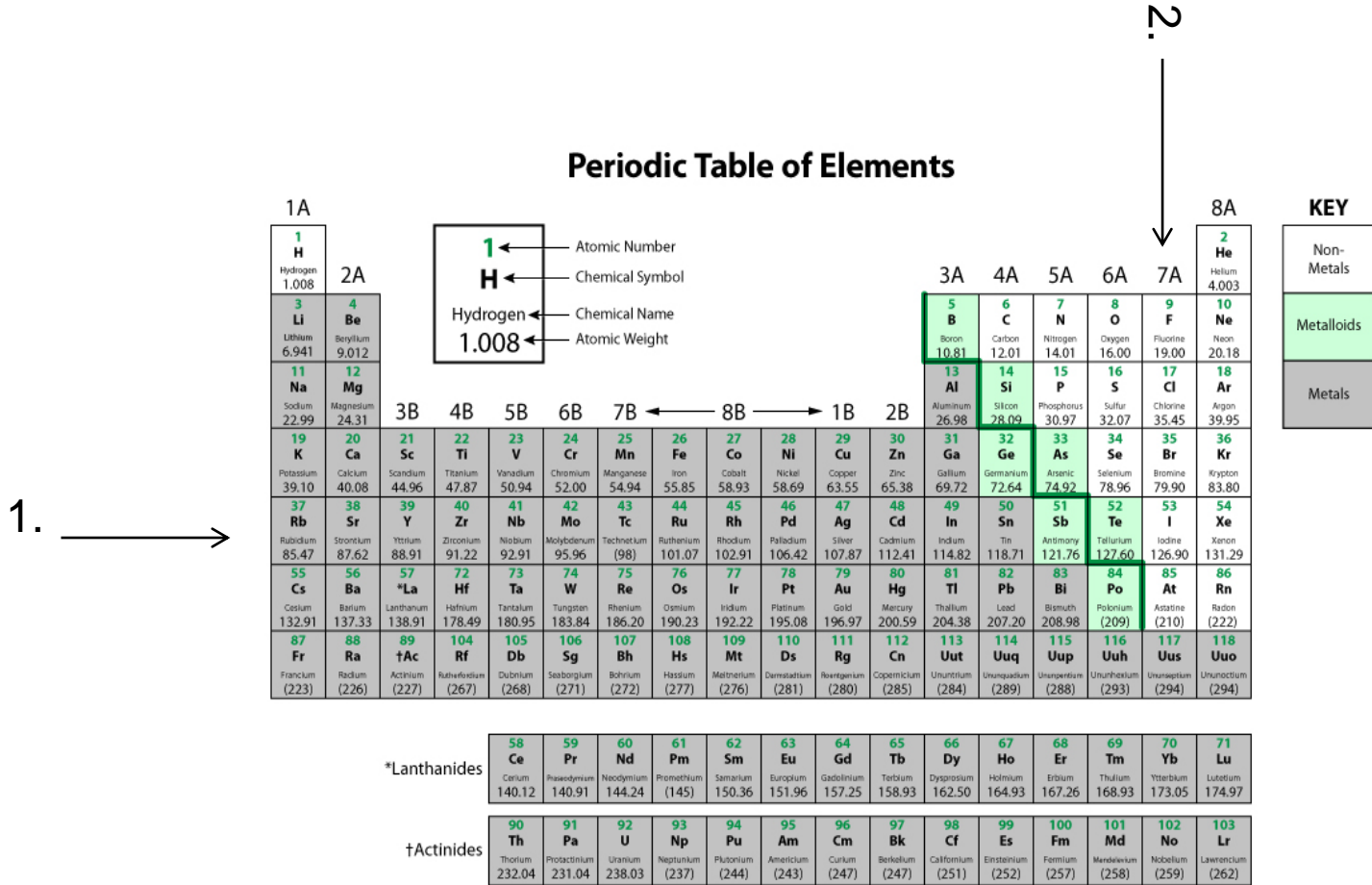
2

7

1

Reactivity

Periodic Table of Elements



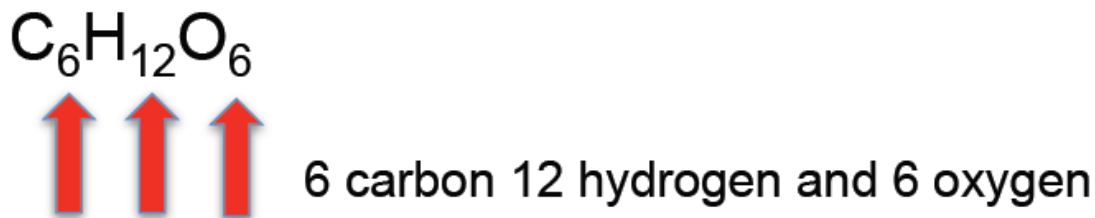
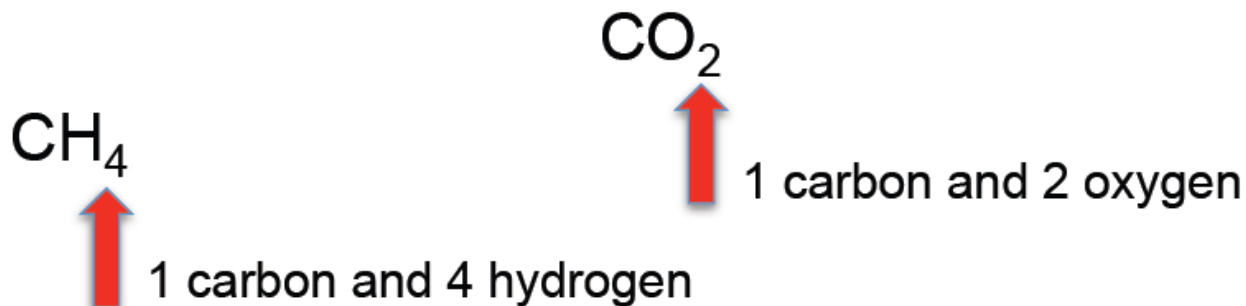
The Periodic Table of Elements organizes the elements according to _____.

Period

Group

Atomic Number

The little number tells how many _____ of each element there is.
This little number is called a _____.



$\text{C}_6\text{H}_{12}\text{O}_6$ This formula represents _____.

Atoms
Subscript
Glucose

Physical Change affect only physical properties such as size, shape, or phase.

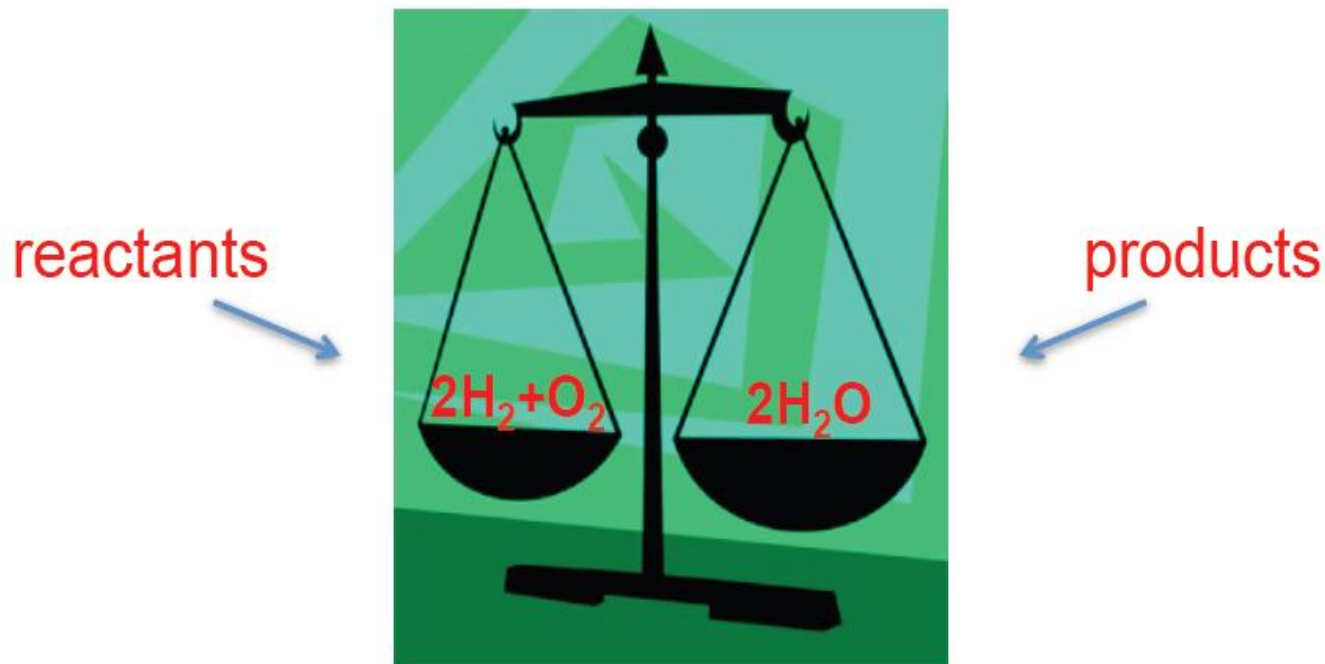
Chemical change produces new substances with new properties.

**freezing, rusting, melting, evaporating, dissolving, boiling,
burning, and tarnishing**

freezing, melting, evaporating, dissolving,
boiling

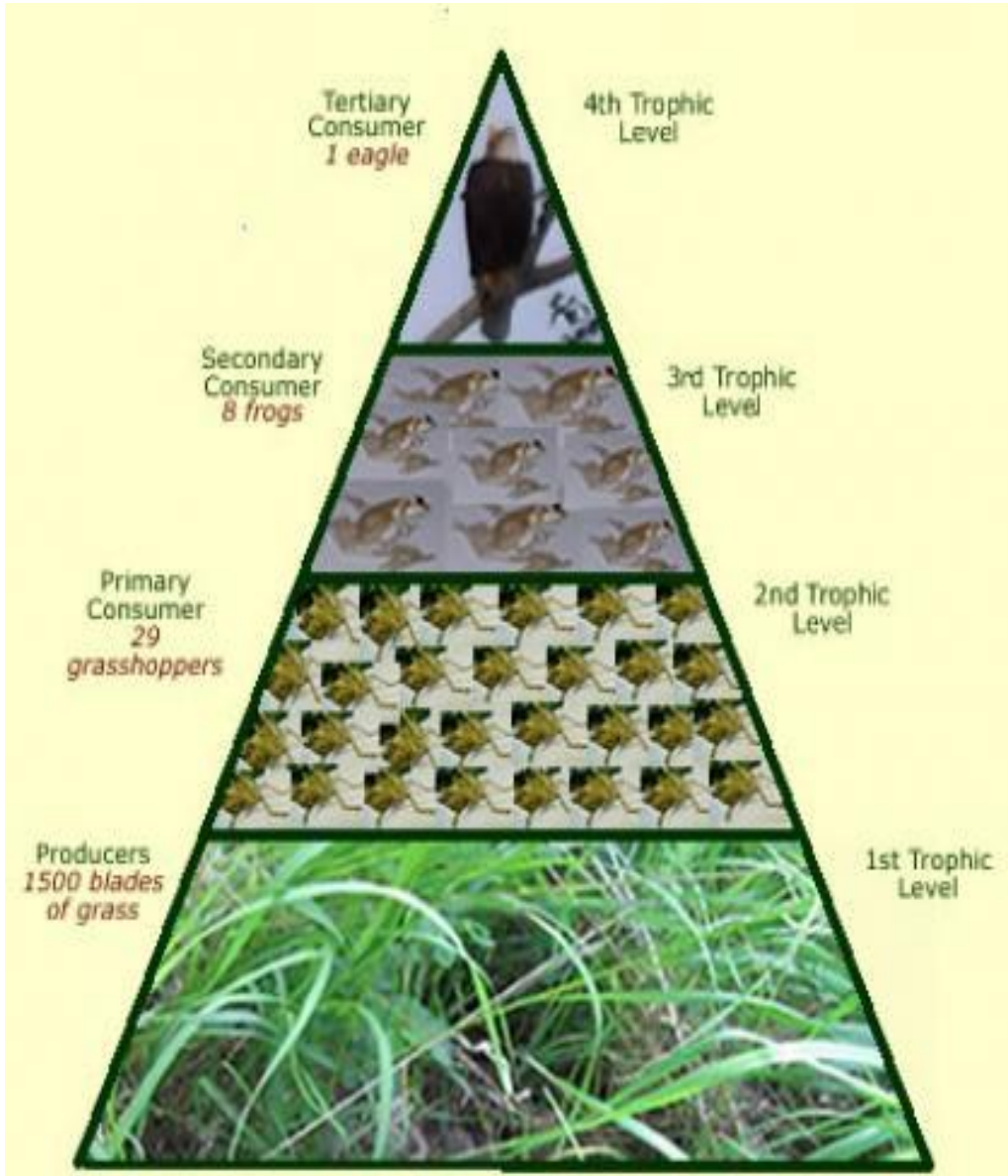
rusting, burning, and tarnishing

Law of Conservation of Mass



The mass of all reactants must _____ the mass of all products; mass is neither created nor destroyed

Equal



Which layer has the most food energy available? _____

How much energy is available from the Producers to the primary consumers?

Producers

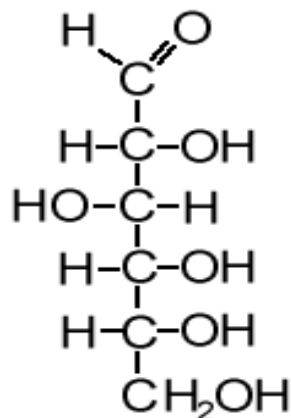
10%

Organic Compounds

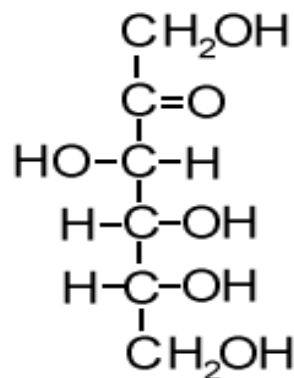
A compound that **contains organic** _____ and other atoms - usually oxygen, hydrogen, nitrogen, phosphorus, and/or sulfur.

Which of the following elements is found in all organic compounds _____

Organic compounds are biological (Made from living material).



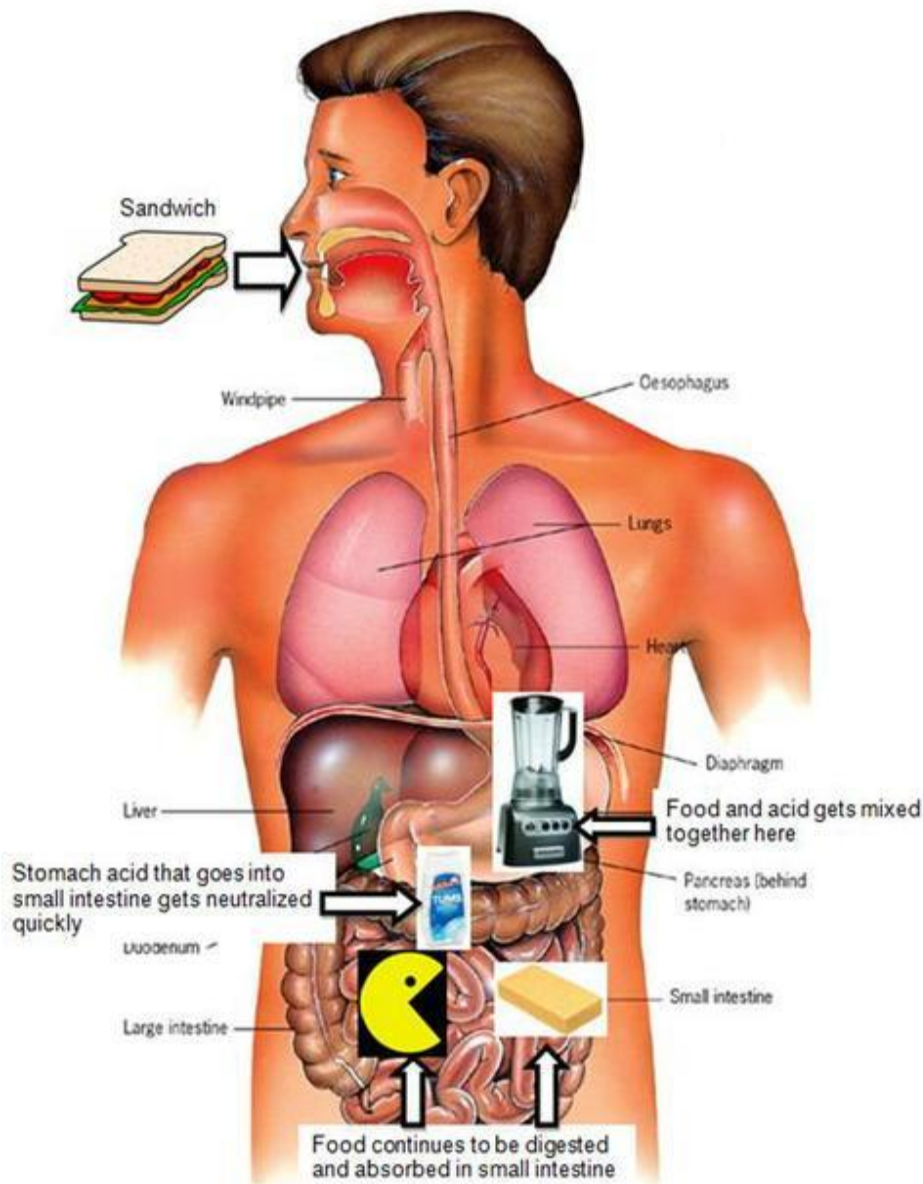
Glucose



Fructose

Carbon

Carbon



Digestion

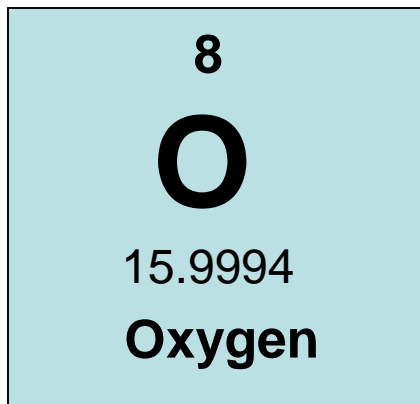
Chewing food is _____ type of change.

Acids in the stomach breaking down the food is _____ type of change.

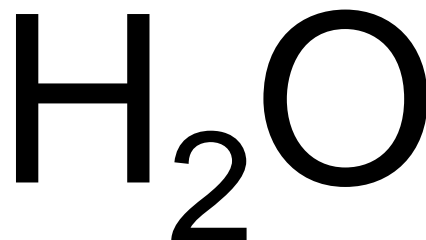
Physical

Chemical

_____ can not be broken down into simpler substances.



_____ is a substance made up of two or more elements chemically combined.



Elements

Compounds

_____ is the property of a metal that reflects light.



_____ is the property of a metal that allows it to be shaped or hammered.



_____ is the property of a metal that allows electricity to flow through it.



_____ is the property of a nonmetal that allows things to break.



_____ is the property of a nonmetal that allows things to be dull.



6.6a S

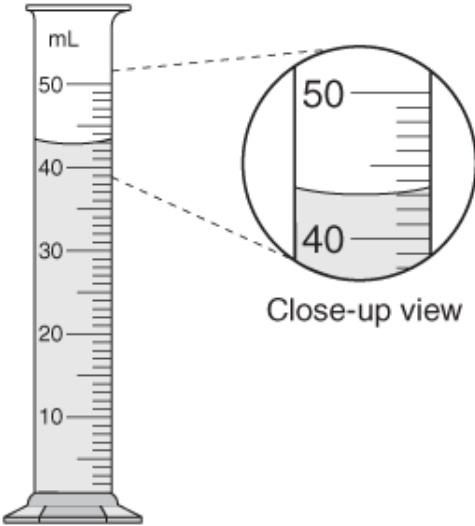
Shiny Luster
Malleable
Conductor
Brittle
Dull Luster



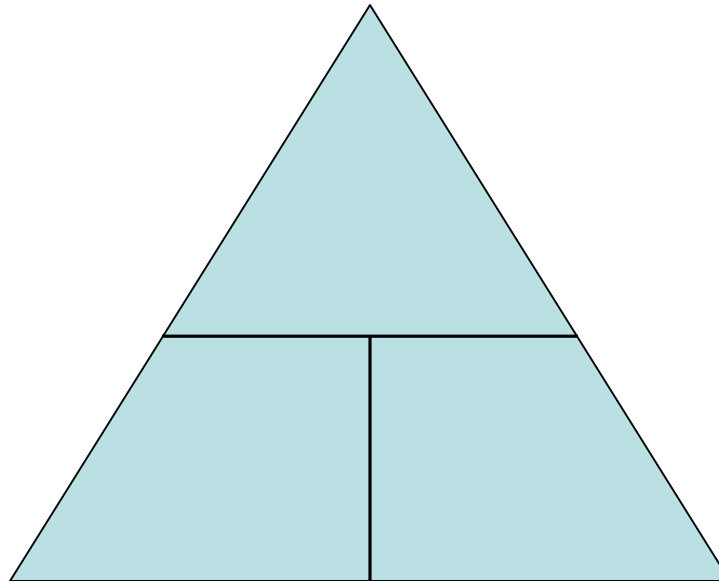
Mass



Volume



Graduated cylinder



Density

