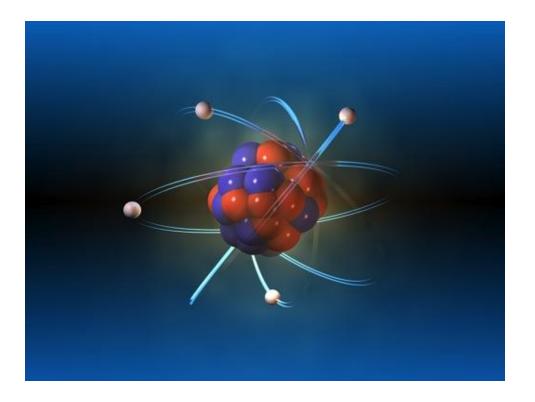
# Elements and Compounds Picture Vocabulary

Matter and Energy



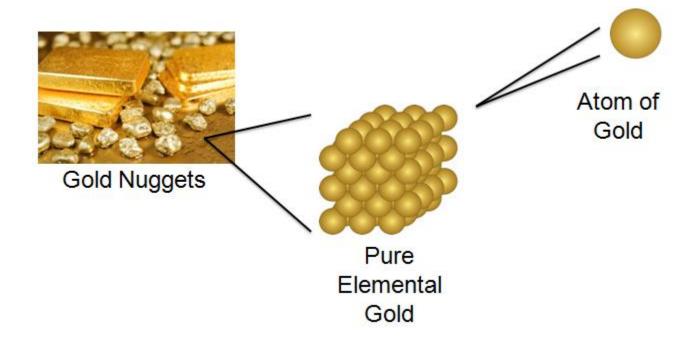
#### **Atom**



The smallest particle of an element maintaining the chemical identity of that element.



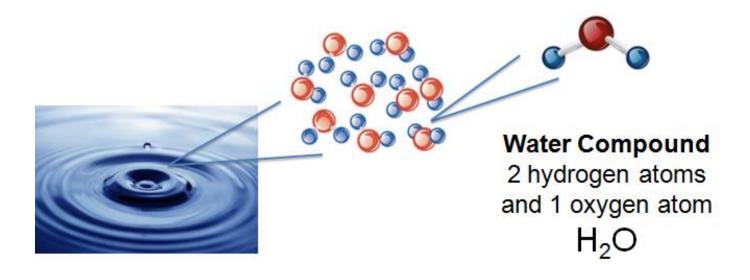
#### **Element**



A pure substance composed of the same type of atom throughout.



## Compound



Pure substance made of two or more kinds of atoms bound together.



#### Substance







Helium Gas

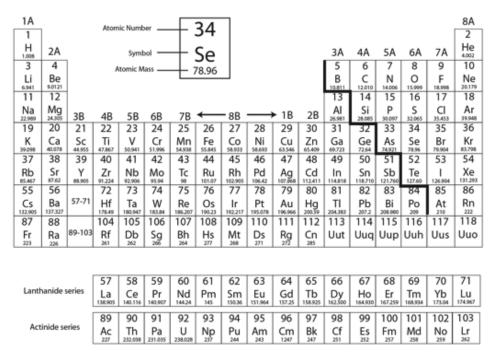


Gold

Any form of matter that is uniform throughout and has consistent properties.

#### **Periodic Table of Elements**

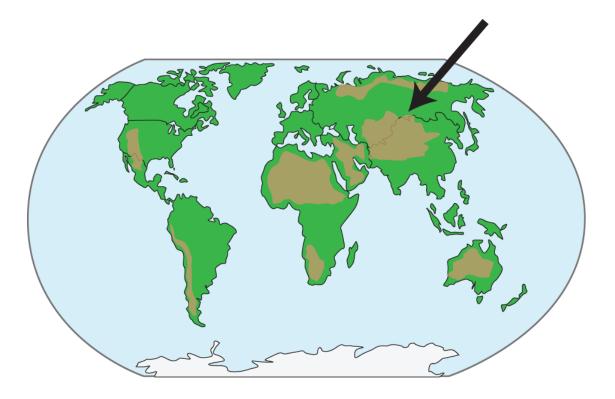
Periodic Table of Elements



A table in which all the known elements are arranged by properties and are represented by one or two letters, referred to as chemical symbols.



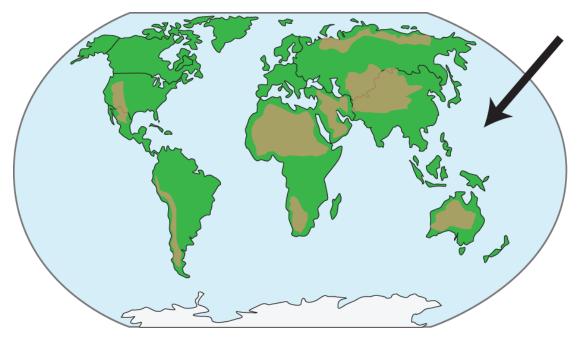
## Lithosphere



The solid Earth, the lithosphere, is made of a limited number of elements and is primarily composed of oxygen and silicon.



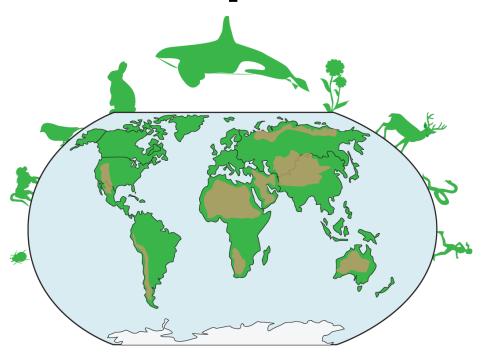
## Hydrosphere



All water on Earth: oceans, surface water, ground water, and glaciers; made of a limited number of elements and primarily composed of oxygen and hydrogen, the two elements in pure water



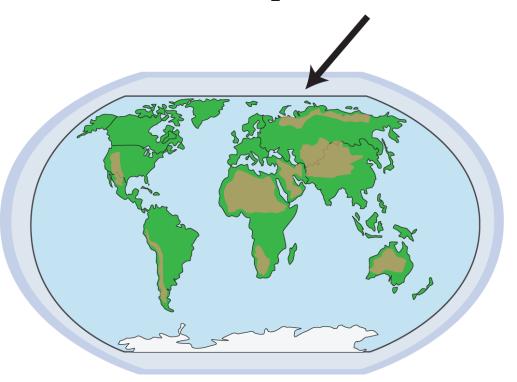
## **Biosphere**



The sum of all living matter; made of a limited number of elements including oxygen, carbon, hydrogen, nitrogen, calcium, and phosphorus



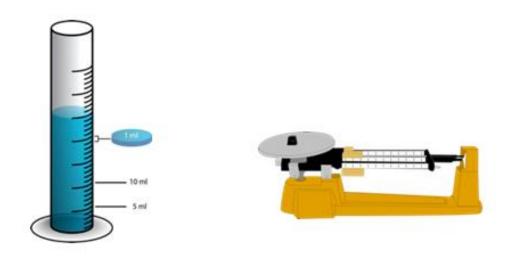
## Atmosphere



The layer of gas surrounding planet Earth; held in place by gravity and composed of a limited number of elements, primarily nitrogen and oxygen.



#### **Matter**



Matter is anything that has mass and takes up space. Matter occurs as elements, compounds, and mixtures.



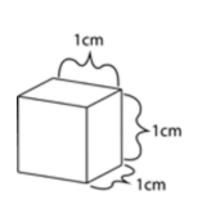
## **Properties**

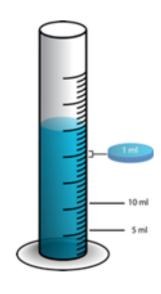


Physical and chemical characteristics of matter used to describe or identify a substance.



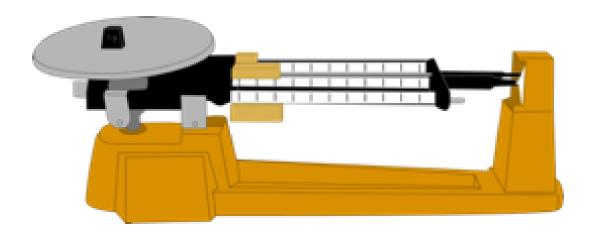
### Volume





A measure of how much space matter occupies.

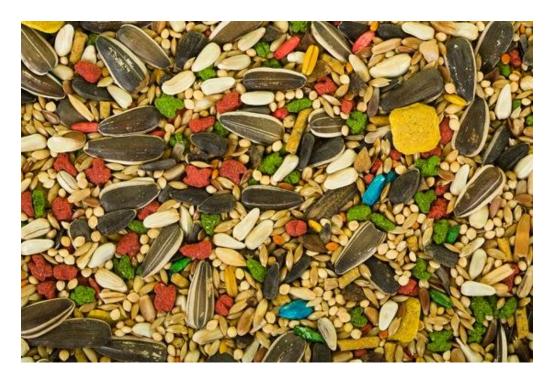
#### Mass



A measure of how much matter is present in a substance.



#### **Mixture**



Made of a blend of elements and compounds; is not a pure substance because it does not have consistent properties.



## **Uniform Composition**



Made of the same evenly distributed substance or combination of substances throughout.

