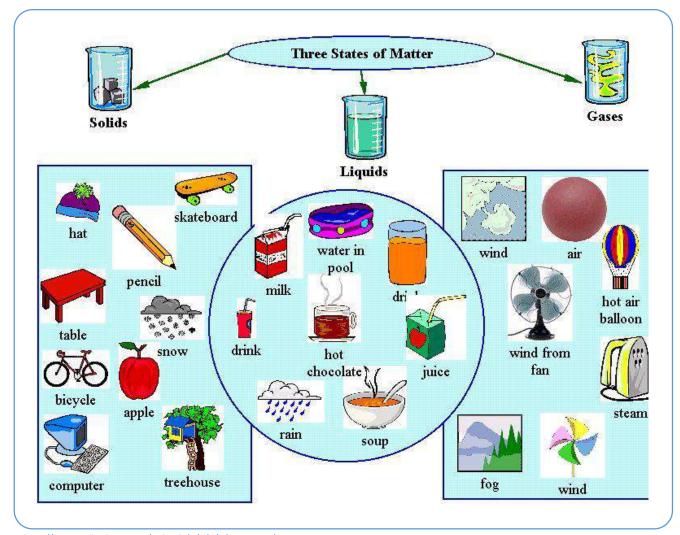
# Introduction to Matter Vocabulary

#### 1. Matter

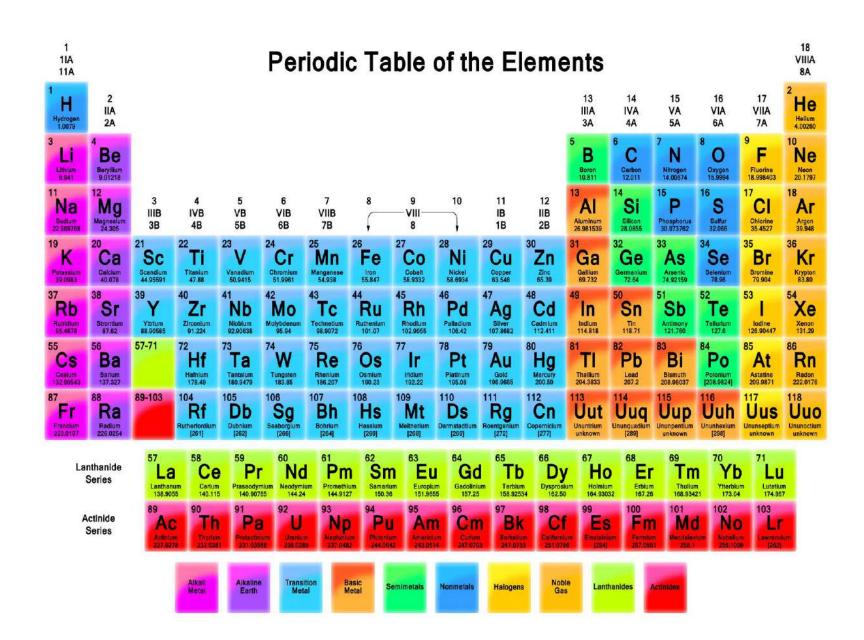
Anything that has mass and takes up space.



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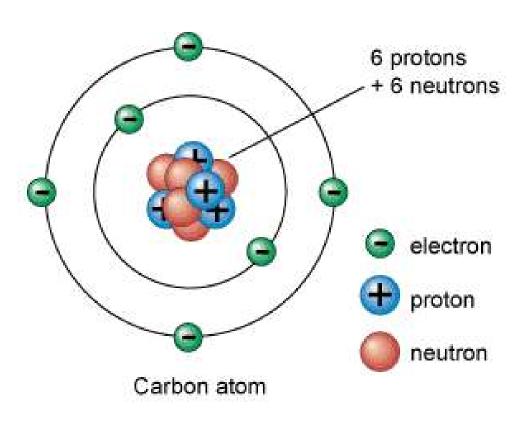
#### 2. Element

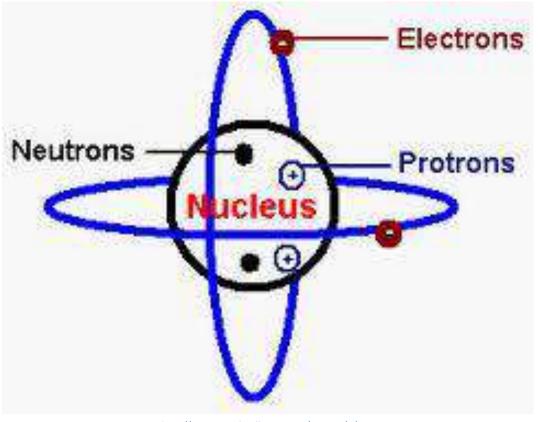
A pure substance that cannot be broken down into other substances by chemical or physical means.



#### 3. Atom

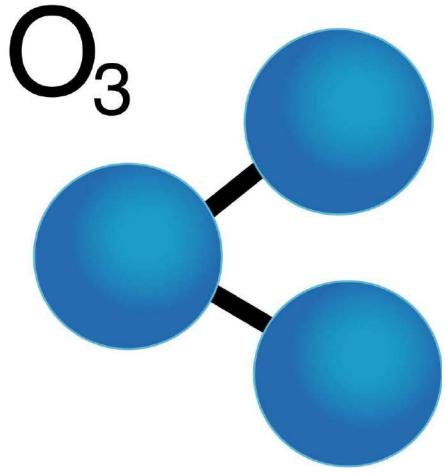
The basic particle from which all elements are made; the smallest particle of an element that has the properties of that element.





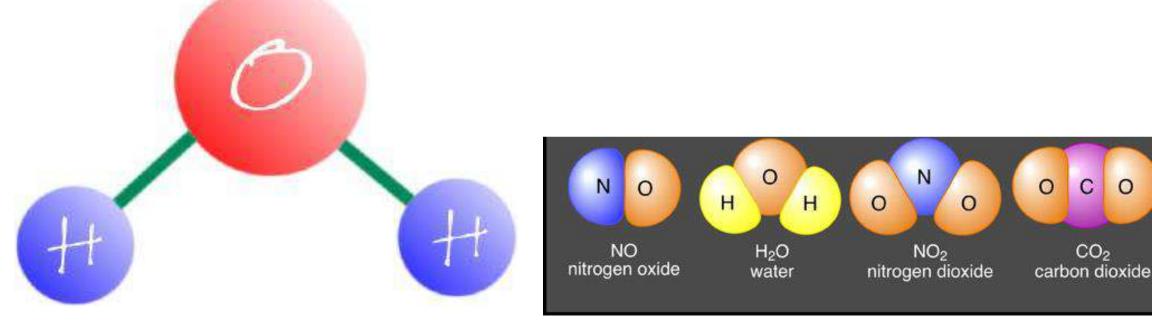
#### 4. Molecule

A group of two or more atoms held together by chemical bonds.



### 5. Compound

A substance made of two or more elements chemically combined in a specific ratio.



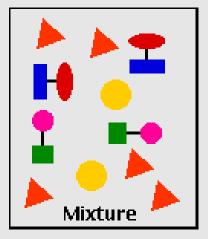
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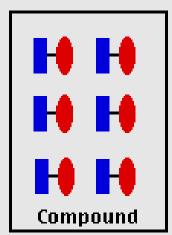
CO2

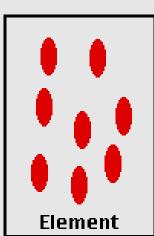
#### 6. Mixture

Two or more substances that are together in the same place but their atoms are not chemically bonded.









## 7. Physical change

A change that alters the form or appearance of a material but does not turn the material into another substance.



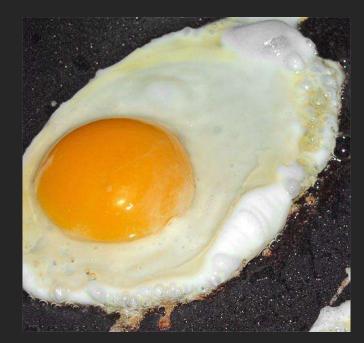






# 8. Chemical change

A change in which one or more substances combine or break apart to form new substances.





#### 9. Law of conservation of mass

The principle that the total amount of matter is neither created nor destroyed during any chemical or physical change.

# 10. Endothermic change

A change in which energy is absorbed.



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# 11. Exothermic change

A change in which energy is released.





### 12. Chemical energy

Energy that is stored in the chemical bonds between atoms.





http://mkbenergy.weebly.com/uploads/2/6/9/5/26952614/4924203 orig.jpg

# Chemical or Physical Change?

