Introduction to Chemistry Chapter 1 Vocabulary

Atom

Chemical bond

Chemical change

Chemical energy

Chemical formula

Chemical property

Chemistry

Compound

Density

Element

Endothermic change

Exothermic change

International System of Units (SI)

Law of conservation of mass

Mass

Matter

Mixture

Molecule

Physical change

Physical property

Substance

Temperature

Thermal energy

Volume

Weight

1. A change in matter that produces one or more new substances.
2. The system of measurement used in all other countries.
3. A formula that shows the elements in a compound and the ratio of atoms.
4. The force of attraction between two atoms.
5. A characteristic of a substance that describes its ability to change into different substances.
6. A group of two or more atoms held together by chemical bonds.
7. A characteristic of a substance that can be observed without changing it into another substance.
8. The study of matter and how matter changes.
9. A measure of how hot or cold a substance is.
10. The amount of space that matter occupies.
11. A change in which energy is absorbed.
12. A measure of the force of gravity on you.
13. A single kind of matter that is pure, meaning it always has a specific makeup, or composition.
14. A substance made of two or more elements that are chemically combined in a set ratio.
15. Anything that has mass and takes up space.
16. States that matter cannot be created or destroyed.
17. The total energy of the motion of all of the particles in an object.
18. The basic particle from which all elements are made.
19. The energy stored in the chemical bonds between atoms.
20. A substance that cannot be broken down into any other substances by chemical means.
21. A measure of the mass of a material in a given volume.
22. Alters the form or appearance of matter but does not turn any substance in the matter into a different substance.
23. The amount of matter in an object
24. Releases energy.
25. Two or more substances that are together in the same place, but their atoms are not chemically bonded.