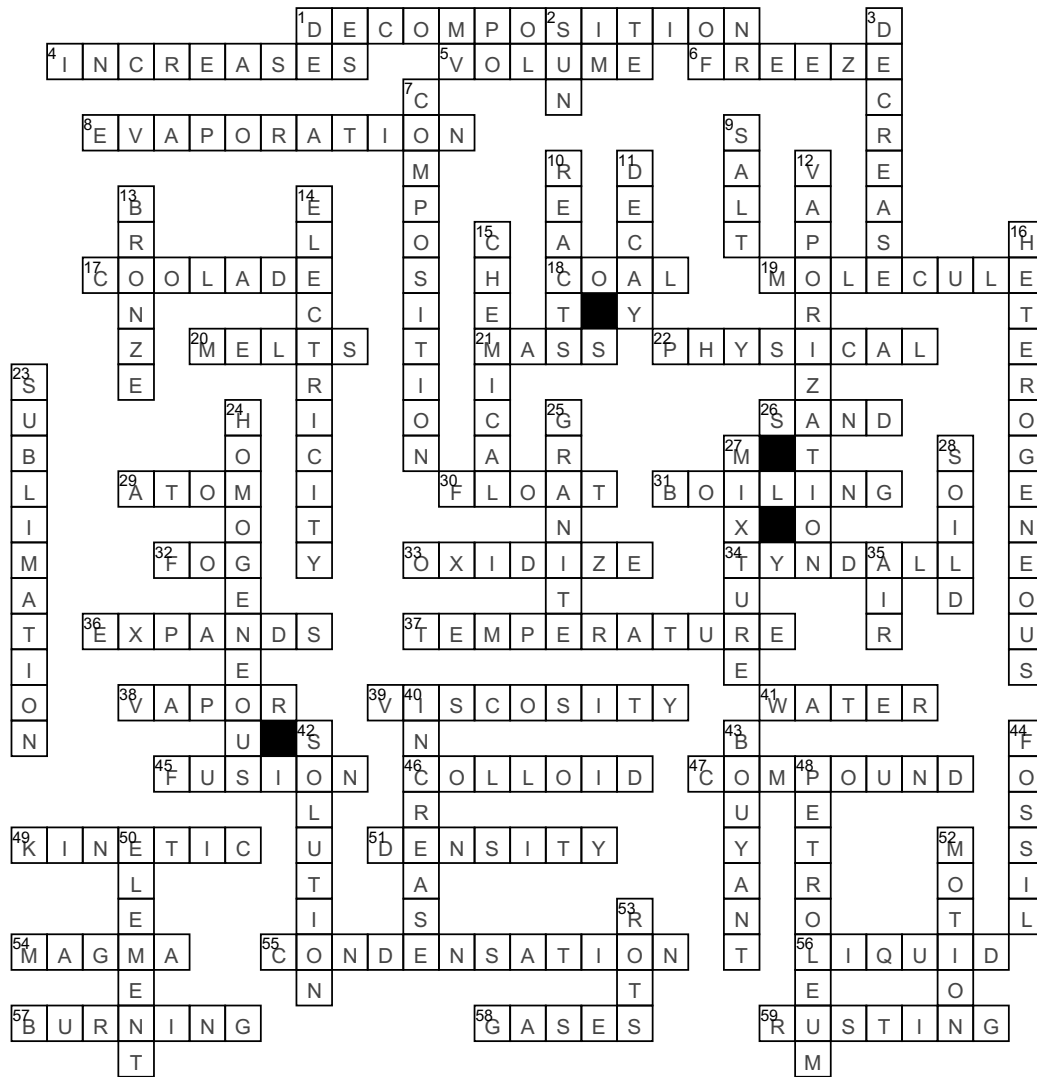


Matter, Physical and Chemical and Energy



Across

- A chemical reaction when a material begins to breakdown into simpler substances
- As temperature increases, the kinetic energy of the molecules _____.
- the amount of space matter occupies
- To _____ is to convert a liquid to a solid
- A physical change when liquid slowing changes to a vapor
- a homogeneous liquid
- a form of carbon, it is an unrenewable source of energy
- The smallest particle of a compound
- A solid _____ when heat is added, turning into a liquid
- A physical property defined as the quantity of matter present.
- Changes which do not produce a new substance
- a heterogeneous mixture
- the smallest particle of an element that still has the properties of the element
- a solid less dense than water will _____
- As a liquid is heated, it changes from a liquid to a vapor
- A colloid composed of dust particles and water droplets
- When matter reacts with oxygen it is said to _____
- The effect of shining a light through a colloid or suspension
- When water freezes it _____
- As kinetic energy increases, the _____ increases
- Another name for a gas
- the resistance of a liquid to flowing
- This liquid expands when it freezes
- The heat required to convert a solid to a liquid is called the Heat of _____
- Milk is an example of this type mixture. This type mixture can scatter light.
- A pure substance made up of two or more elements chemically combined

Down

- the source of solar energy
- For water to condense, the temperature must _____.
- What matter is made of. It is fixed for a pure substance
- A compound containing sodium and chlorine
- If this word is used, it will always result in a chemical change
- A chemical reaction when matter starts breaking down.
- The heat added to change a liquid to a vapor is heat of _____
- a homogeneous mixture of metals primarily copper and zinc
- Energy is converted to this when magnets rotate in a generator
- tarnishing is an example of this type change
- A mixture in which you can see the various parts
- To change directly from a solid to a vapor
- A mixture such as a solution where everything looks the same
- A heterogeneous mixture when several types of rock present
- One of the two types of matter, It is not chemically combined and does not have a definite fixed composition
- A state of matter where the particles are very close together and move very slowly
- a homogeneous mixture of gases
- A temperature increase indicates a/an _____ in kinetic energy
- a homogeneous mixture
- a force which a liquid exerts upward on objects
- Energy fuels which are not renewable
- Another nonrenewable fuel
- A pure substance made up of only one type atom
- Per the Kinetic Molecular Theory, particles are in constant _____
- A chemical change occurs when wood _____

- 49. The energy of motion
 - 51. Mass divided by volume, this is a physical property
 - 54. The source of geothermal heat
 - 55. Changing of a vapor into a liquid
 - 56. a state of matter with moderately fast moving particles and no definite shape
 - 57. a chemical change when something reacts rapidly with oxygen
 - 58. This form of matter has particles moving very rapidly, has no definite shape and no definite volume
 - 59. When iron reacts with oxygen, this chemical change is called
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