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| matter |  | Anything that has mass and takes up space. |
| mass |  | The measure of how  much matter is in an object. |
| volume |  | The amount of space  an object takes up. |
| atoms |  | The smallest units of matter.  The basic building blocks of  all matter. \_\_\_\_\_\_ are made  up of protons, neutrons, and electrons. |
| physical property |  | Anything you can observe about an object by using one or more of your senses.  For example, color, texture, size,  shape, volume, odor, etc. |
| plasma |  | The state of matter that is  an electrically charged gas. Found in stars, lightning, and some lightbulbs. |
| gas |  | State of matter with  **no definite shape** and  **no definite volume**. |
| solid |  | State of matter with  **a definite shape** and  **a definite volume**. |
| liquid |  | State of matter that has  **a definite volume**, but  **no definite shape**. |
| precipitation |  | The liquid and solid  water particles that  fall from the clouds.  For example, rain, snow, sleet, or hail. |
| temperature |  | The measure of how hot  or cold something is. |
| heat |  | The movement of  thermal energy. |
| evaporation |  | When thermal energy  is added, and a liquid becomes a gas.  Example: boiling a pot of water |
| energy |  | The ability to do work. |
| condensation |  | When thermal energy is taken away, and water vapor (gas) changes into a liquid.  Example: water that gathers on a  bathroom mirror after a hot shower |
| Chemical Change |  | Physical Change or Chemical Change  burning wood |
| Chemical Change |  | Physical Change or Chemical Change  rusting |
| Physical Change |  | Physical Change or Chemical Change  cutting a sheet of paper |
| Chemical Change |  | Physical Change or Chemical Change  baking a cake |
| Physical Change |  | Physical Change or Chemical Change  chopping wood |
| Physical Change |  | Physical Change or Chemical Change  an ice cube melting |
| Physical Change |  | Physical Change or Chemical Change  breaking a  drinking glass |
| Chemical Change |  | Physical Change or Chemical Change  rotting fruit |
| Physical Change |  | Physical Change or Chemical Change  freezing juice into  a popsicle |
| Chemical Change |  | Physical Change or Chemical Change  digestion |
| gas |  | Based on the arrangement of the atoms, is this a solid, liquid, gas, or plasma?  See the source image |
| solid |  | Based on the arrangement of the atoms, is this a solid, liquid, gas, or plasma?  See the source image |
| plasma |  | Based on the arrangement of the atoms, is this a solid, liquid, gas, or plasma? |
| liquid |  | Based on the arrangement of the atoms, is this a solid, liquid, gas, or plasma?  See the source image |
| 0° Celsius |  | What is the **Celsius** **freezing** point of water?  (a liquid becomes a solid) |
| 32° Fahrenheit |  | What is the **Fahrenheit** **freezing** point of water?  (a liquid becomes a solid) |
| 100° Fahrenheit |  | What is the **Celsius**  **boiling** point of water?  (a liquid becomes a gas) |
| 212° Fahrenheit |  | What is the **Fahrenheit** **boiling** point of water?  (a liquid becomes a gas) |
| Physical Change |  | A change from one state  to another without changing  the chemical properties of  the substance.  Ex. changing size, shape, or form. |
| Chemical Change |  | A change that causes  a new substance to  be formed. |