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| **Chemical Change** | **Physical Change** |
| Burning paper | Ice melting |
| Fireworks | Liquid water freezing |
| Iron rusting | Copper (II) chloride dissolving in water |
| Aluminum reacting with copper (II) chloride solution | Sugar dissolving in tea |
| Sodium metal reacting with chlorine gas to produce salt | Shredding paper |
| Photosynthesis:  6 CO2 + 6 H2O 🡪 C6H12O6 + 6 O2 | H2O (l) 🡪 H2O (g) |
| Respiration:  C6H12O6 + 6 O2 🡪 6 CO2 + 6 H2O | Slicing cheese |
| Burning magnesium | Tearing off a piece of magnesium ribbon |
| Dehydrating sugar into carbon and water | Forming wire out of copper |
| May have indicators such as energy released, precipitate formation, bubbles produced, color change, or production of an odor |  |
| A dead deer decaying on the side of Moore Road | Cutting a diamond to make a pretty shape for a ring |
| Grass growing | Mixing cream into your coffee |
| Boiling an egg | Putting ice into your (VERY) sweet tea from Chick-fil-A |
| Baking a cake | Dry Ice (frozen CO2) subliming |
|  | Vaporizing liquid nitrogen |
| Makes a product that is new, with new properties | Does not change the identity of the substance |