**Lesson 2: Properties of Matter and Chemical Reactions**

**How many properties of matter can you remember from last year?**

**Properties of Matter**

* Can be broken down into 2 categories

|  |  |
| --- | --- |
| **Physical**  | **Chemical**  |
| * Characteristics that can be observed or measured without changing chemical identity

**Examples** | * Ability of matter to react with another substance to form one of more different substances

**Examples** |

**Chemical Reactions**

* one or more pure substances interact to form a different substance or substances.

Ex. Dancing Raisins Demo

The reaction is: CH3COOH(aq) + NaHCO3(aq) → NaCH3COO(aq) + H2O(l) + CO2(g)

**Can you think of any other chemical reactions?**