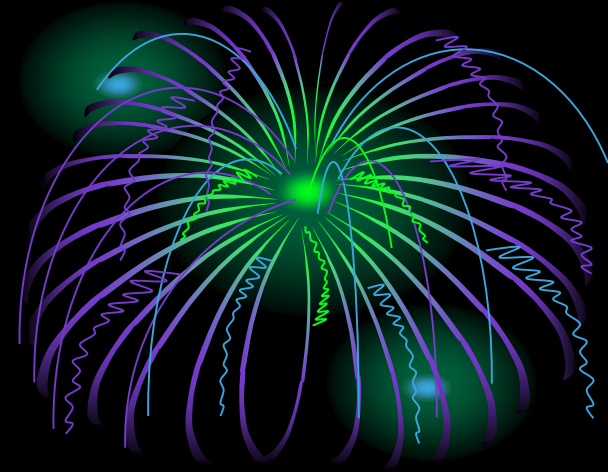




Chemical Reactions

Introduction

Section 5.1



A couple definitions...

1. Chemistry → the study and investigation of the structure and properties of matter.

2. Matter → anything that has mass and occupies space.

What is a Chemical Change?



- **a characteristic or behavior that occurs when a substance changes to a new one. (ex. baking soda and vinegar form CO_2 and H_2O)**
- **The starting materials before the reaction are called the reactants.**
- **The new materials produced at the end of the reaction are called the products.**

How Do We Know A Chemical Change Occurred??



- **Some indicators of chemical change are:**
- **color change**
- **heat given off/taken in**
- **light**
- **bubbles**
- **precipitate formed (solid formed in solutions)**
- **Odor**
- **Chemical changes are extremely hard to reverse.**

To Do....

- Bill Nye the Science Guy
- **Chemistry in a Bag/ Penny Activity**

