

Lesson 13: Introduction to
Chemical Reactions (Nelson
Textbook Pages 214-215)

Learning Goals

- I can:
- Write chemical reactions using words and symbols

What are chemical reactions?

- One or more substances changes to produce new substances.



What are chemical equations?

- The “story” of a **chemical reaction** is called **chemical equation**.
- Shows two things:
 - Substance(s) we **start out** with - **REACTANTS**
 - Substance(s) we **end up** with – **PRODUCTS**

1. Word Equations

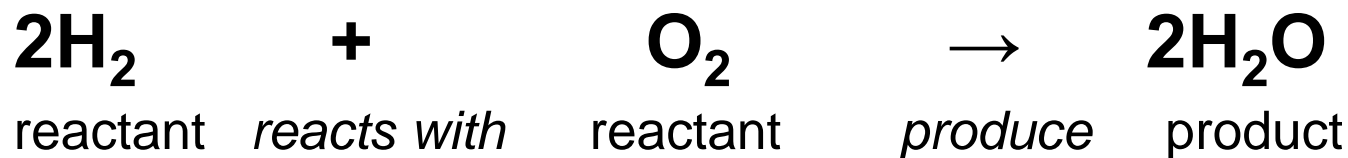


2. Skeleton Equations



- show **kind of atoms**, but not **number of atoms**

3. Chemical Equations



- **Kind and # of atoms** on **both sides** of the equation is **equal**;
- Obeys the **law of conservation of mass**.
- **Coefficient**: a number **in front** of a chemical formula; **to balance** an unbalanced equation.

Counting Atoms

